Product Distribution Specifications
Release 2011B

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Product Distribution Workgroup

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.

Document History

Functional Change Log

Release	Comments
2007A	Initial Release – Reservation, Availability and Rates.

2008A	Added Statistics, Groups; updated Reservations, Availability.
2009A	Updated Reservation, Availability and Rates.
2009B	Updated Reservation, Availability, Rates and Groups.
2010A	Added Inventory and Seamless Shop/Book; updated Reservation and Rates.
2010B	Updated Reservations, Groups and Seamless Shop/Book.
2011B	Added age bucket handling, meal plan code and billing profile; updated UnitMultiplier usage and multi-unit reservation.

Table of Contents

Introduction

This document is Release 2011B of the HTNG Product Distribution Specifications.

For convenience, these are presented as a single multi-part document, with each part comprising a different specification.

The 2011B Release comprises the following parts:

1. Reservations, Version 2.5

2. Availability, Version 2.2

3. Statistics, Version 2.0

4. Groups, Version 1.2

5. Rates, Version 1.3

6. Inventory, Version 1.0

7. Seamless Shop/Book, Version 1.2

Part 1   Reservations, Version 2.5

Chapter 1 Acknowledgements

HTNG gratefully acknowledges the contributions of the following people in the development of this document:

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Chapter 2   Document Information

2.1   Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles for Reservation Messages for Property Distribution based on the OpenTravel Alliance specifications published by this organization.

2.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliancespecifications for reservation messages and is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

2.3   Overview

The messages in the OpenTravel Alliance specification cover a large number of optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 usage profile, including TPA extensions as per the OpenTravel Alliance specifications schema.

2.4   Referenced Documents

The following documents are referenced in this document:

The Open Travel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

2.5   Terminology

Table 1 defines terms and acronyms used throughout this document.

Table 1: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation
XML	Extensible Markup Language – This is a general-purpose markup language for creating special-purpose markup languages, capable of describing different kinds of data.

2.6   Assumptions and Dependencies

It is assumed the usage profiles provide a common starting point for the definition of the messages exchanged and that the implementers of these messages will:

Add expansions as needed to enable exchange of additional information while retaining compliance with the OpenTravel Alliance specifications

Report expansions deemed common to HTNG for consideration as additional usage profiles

Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release

2.7   Business Requirements

2.7.1   Confirmation Numbers

An HTNG certified application that receives hotel reservations from upstream systems and that is normally used as a reservation broker or reservation server application shall store, and make available as criteria for reservation retrieval, the confirmation number that was originally given to the customer at the time of booking, if this information is available from the upstream (sending) system.

An HTNG certified application that transmits hotel reservations to downstream systems, shall send the confirmation number that was originally given to the guest, and the identifier of the system that generated it, within the reservation message, if this information has been provided by any upstream system. This is in addition to the application's own unique identifier or confirmation number (if different than the original).

2.7.2   Sharers

An HTNG certified application shall support the sharing of a single room by multiple guests, each with their own reservation, and will support the following functionalities:

(a) Sharing reservations are each able to arrive and depart on different dates, provided that each overlaps at least one other reservation in the sharing group by at least one night.

(b) Each reservation comprises a complete room reservation in itself, containing the same required information as in a standalone reservation. In particular, each reservation contains its own:

1. Confirmation number(s)

2. Guest name(s)

3. Arrival and departure dates

4. Rate code(s)

5. Rate amounts

6. Market segmentation

7. Source/origin code(s)

8. Cancellation policies

(c) Each reservation within the sharing group must contain identical room attributes (e.g., room category, room type, fixed room amenities).

(d) Guests may identify, at the time of booking, how the shared room rate will be settled, either by specifying a set amount to be charged to each sharing reservation, or by specifying a percentage split for each that totals 100% of the nightly rate. This information must be maintained between sending and receiving systems.

(e) The application will maintain accurate room inventory and guest counts for each night of the sharing group dates, given that the number of rooms in the share is always one (1)* for any one night in the date sequence and the guest count for one night will be equal to the total aggregated number of guests for each reservation sharing a single room on one night.

(f) At any time, the sharing group of reservations may be modified in any of the following ways:

1. Additional (new) reservations may be added to the sharing group.

2. Existing reservations may be joined into the sharing group.

3. The entire group of sharing reservations may be cancelled.

4. The entire group of sharing reservations may be modified (e.g., changing to a different rate and/or room type).

5. An individual reservation within the group may be cancelled.

6. An individual reservation within the group may be modified.

7. An individual reservation within the group may be removed (broken) from the group (but maintaining itself as an individual reservation).

* Current HTNG specifications limit the number of rooms reserved by a single reservation to one (1). In cases where the rooms are configurable suites (e.g., a room with an adjoining parlor) are involved, two reservations should be used or, alternatively, a new room type that represents the combination of both room types involved.

2.8   Methods of Delivery

2.8.1   Push Model

The push model is the method of reservation delivery defined by the HTNG reservation v.1 and v.2 specification. In the push model, one system will "push" reservation notifications to another system by sending an OTA_HotelResNotifRQ. The receiving system will then process the notification and reply with an OTA_HotelResNotifRS to the sender.

2.8.2 Pull Model

The pull model in contrast is a bit more complicated. Unlike the Push model which only requires two messages (reservation delivery, confirmation) to serve its purpose, the pull model requires four. This necessitates an asynchronous process be put in place.

The data flow of the messages is as follows:

Using the OTA_ReadRQ message, one system (System A) will send a message to query another system (System B) for any reservations to be processed including any criteria to filter the results. Using the OTA_ResRetrieveRS message, System B will then return a list of reservations which meet the requested criteria. System A will process the message and send an OTA_NotifReportRQ with updated reservation information or errors after processing. System B will then respond with an OTA_NotifReportRS to acknowledge receipt and data updates.

Chapter 3   Usage Profiles

3.1   Basic Reservation Notification

The basic reservation notification usage profile covers the basic use-case in which a system with the ability to book, modify, and/or cancel reservations is notifying other systems of its activity. The intent of the messages exchanged is to keep all the participating systems up-to-date on all reservations at the property.

3.1.1   Scope

This usage profile includes simple reservations.

3.1.2   Example Message

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791878" ResStatus="Commit"
TimeStamp=" 2005-10-09T18:51:45">
   <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="2005-10-09T08:51:45" CreatorID="FLAUA">
         <UniqueID Type="14" ID="3741"/>
         <!-- code 14 = Reservation -->
         <RoomStays>
            <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
               <RatePlans>
                  <RatePlan>
                     <MealsIncluded MealPlanIndicator="true" MealPlanCodes=""
                  </RatePlan>
               </RatePlans>
               <RoomRates>
                  <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S" InvBlockCode="XYZGroup">
                     <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2006-01-12" ExpireDate="2006-01-15">
                           <Base AmountAfterTax="100.00" CurrencyCode="EUR">
```

```xml
                    </Base>
                </Rate>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2006-01-15" ExpireDate="2006-01-17">
                    <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                    </Base>
                </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="2006-01-17" Start="2006-01-12"/>
    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
        <GuaranteesAccepted>
            <GuaranteeAccepted>
                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607" SeriesCode="123" CardCode="VS">
                    <CardHolderName>James Bond</CardHolderName>
                </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607" SeriesCode="123" CardCode="VS">
                        <CardHolderName>James Bond</CardHolderName>
                    </PaymentCard>
                </AcceptedPayment>
            </AcceptedPayments>
            <AmountPercent Amount="50.00" CurrencyCode="EUR">
            </AmountPercent>
            <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">
    </BasicPropertyInfo>
    <TPA_Extensions/>
```

```xml
                    <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>MI5</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 = TravelAgent-->
                    <CompanyInfo>
                        <CompanyName>TravelDreams</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="2006-01-12T14:00:00" Type="Air" ID="BA125"/>
        </ArrivalTransport>
        <DepartureTransport>
            <TransportInfo Time="2006-01-17T19:00:00" 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_HotelResNotifRQ>
```

3.2   Advanced Reservation Notification

The advanced reservation notification usage profile builds on the basic reservation notification covered above. The intent of the messages exchanged is to keep all the participating systems up-to-date on all reservations at the property.

3.2.1   Scope

This usage profile includes Accompanying Guests and Sharer reservations. For both types of reservations it is assumed that all parties share the same room.

3.2.2   Reservation Including Accompanying Guests

"Accompanying Guests" are defined as guests sharing one room with the Primary Guest. Accompanying Guests do not need any additional differentiation other than the addition name on the reservation.

Example Message

Please note the following example message contains only the ResGuests node. This is the only difference from the base reservation message.

```
        <ResGuests>
            <ResGuest ResGuestRPH="1" PrimaryIndicator="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">
```

```xml
                                    <!--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>
                            <RelatedTraveler Relation="Business Associate">
                                <PersonName>
                                    <NamePrefix>Ms</NamePrefix>
                                    <GivenName>Second</GivenName>
                                    <MiddleName>Guest</MiddleName>
                                    <Surname>Bardot</Surname>
                                </PersonName>
                            </RelatedTraveler>
                            <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
                        </Customer>
                    </Profile>
                </ProfileInfo>
            </ResGuest>
          </ResGuest>
       </ResGuests>
```

3.2.3   Reservation with Sharers

"Sharers" are defined as guests sharing one room with the Primary Guest. Sharers, however, may need to have different folios, charging privileges, etc.

Assumptions

1. Each share reservation will contain a unit number of 1.

2. The reservation price will reflect the amount of the split.

Implementation

It will be up to the implementing partners as to whether share reservations will be part of the same payload.

3.2.4   Billing Instructions

Billing instructions are used to determine the types of charges that are able to be routed to a master account.

```xml
<OTA_HotelResNotifRQ>
        ...
      <HotelReservations>
            <HotelReservation>
                    <POS/>
                    <UniqueID/>
```

```
                        <RoomStays/>
                        <Services/>
                        <BillingInstructionCode BillingCode="ROOM" AccountNumber="485729" End="2011-08-26" AuthorizationCode="" Start="2011-
08-24" Description="Room Charges" BillingType="3">
                                <ResGuestRPH RPH="1"/>
                        </BillingInstructionCode>
                        <ResGuests/>
                        <ResGlobalInfo/>
                        <WrittenConfInst/>
                        <Queue/>
                        <TPA_Extensions/>
                </HotelReservation>
        </HotelReservations>
        ...
</OTA_HotelResNotifRQ>>
```

3.2.5   Multi-Unit Reservations

A multi-unit reservation is a single reservation for multiple rooms. This allows for ease of management of a single reservation record versus needing to manage multiple identical reservations.

Limitations and Assupmtions

Multi-unit reservations share the same room type, rate definition, stay date range, etc.; they are identical.

Multi-unit reservations should have identical "per room" occupancy. When GuestCounts@IsPerUnit = "true", each unit has the same number of guests. Optionally, if two trading partners wish to handle the number of guests as a pool of total occupants, then GuestCounts@IsPerUnit = "false", It should be up to the trading partners to decide if the guest count must be exactly divisible by the number of rooms in the reservations or if the PMS splits the guests as best possible.

A multi-unit reservation should remain "un-split" for as long as possible to enable users to make modifications to a single record (if the changes apply to all rooms). Example: if a multi-unit reservation is already split into single reservations and the agent wants to extend the stay for the whole group by two days, the user would have to check/modify each single reservation accordingly. If the reservation is "un-split", one modification is necessary.

The ResID_Type 31 is used to pass an identifier in the HotelReservationID node, signifying that this reservation has been or will be split into multiple reservations. This Divided Reservation ID should be the same as the original CRS ResID_Type 14, which the PMS will return to the CRS, along with the PMS ID, ResIDType 10.

Whenever a PMS divides a reservation, it will decrement the NumberOfUnits by one and send a modification to the CRS. In addition, it will send a notification for a new reservation. For both messages, a ResID_Type 14 (the original CRS number), a ResID_Type 31 (the divided reservation number), and ResID_Type 10 (generated by the PMS) will need to be sent.
Multi room reservations handling

In the following example of the initial reservation sent from CRS.

In the HotelReservationIDs node, we would have:

```
<RoomStays>
        <RoomStay NumberofUnits="3">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="14" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                </HotelReservationIDs>
```

The PMS assigns the ResID_Type 31 ID and responds with this and the PMS confirmation number for the multi room booking, which are added to the HotelReservationIDs node as follows:

```
<RoomStays>
        <RoomStay NumberofUnits="3">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="31" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="14" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="14701"/>
                </HotelReservationIDs>
```

Any subsequent modification of the unsplit reservation would be transferred from system to system always carrying ResIDs type 31, 14 and 10. At the time of the split (which at this stage is expected to occur in the PMS only), the PMS would then send up a Modification for res 539568 to reduce the number of rooms (NumberOfUnits) to 1, and 2 ADD messages, to create the additional individual reservations.

The MODIFIED booking would contain:

```
<RoomStays>
        <RoomStay NumberofUnits="1">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="31" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="14" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="14701"/>
                </HotelReservationIDs>
```

The 2 NEW bookings would contain

```
<RoomStays>
        <RoomStay NumberofUnits="1">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="31" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="14702"/>
                        </HotelReservationIDs>
```

And

```
<RoomStays>
        <RoomStay NumberofUnits="1">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="31" ResID_Source = "xxxCRS" ResID_Value="539568"/>
                        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="14703"/>
                </HotelReservationIDs>
```

Note: There will be no ResID_Type 14 as the CRS number would be unknown at this stage.

It would also be possible to only split out 1 of the 3 rooms, in which case the original multi-unit booking would be modified and a NumberOfUnits="2" would need to be sent.

Upon receipt of the MOD and ADDs from PMS, the CRS System would reduce the number of rooms in the original booking, and would then create the additional bookings, each with their own unique confirmation number, but each belonging to same Divided Reservation using an ID of 1234.

Flow from PMS to CRS:
If the multi room reservation is originated in the PMS, the reservation would be sent to the CRS with:

```
<UniqueID Type="10" ID="PMS4567"/>
…
<RoomStays>
        <RoomStay NumberofUnits="3">
…<HotelReservationIDs>
        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="4567"/>
                </HotelReservationIDs>
```

The CRS would process the booking and, as the number of rooms is >1, would generate a Divided Reseration ID (ResID_Type 31).

The confirmation message back to the PMS would therefore include:
```
<RoomStays>
        <RoomStay NumberofUnits="3">
                <HotelReservationIDs>
                        <HotelReservationID ResID_Type="10" ResID_Source = "yyyPMS" ResID_Value="4567"/>
                        <HotelReservationID ResID_Type="14" ResID_Source = "xxxCRS" ResID_Value="539570"/>
                        <HotelReservationID ResID_Type="31" ResID_Source = "xxxCRS ResID_Value="539570"/>
                </HotelReservationIDs>
```

When the reservation is then split, the same process would apply, whereby the original booking would be modified to reduce the number of and any individual reservation taken out of the bundle would be sent as an ADD with the relevant ResID_Type 31.
Modifications to split reservations will be possible at both CRS and PMS level as per normal individual reservations.

3.3   Book Reservation Request

The book reservation request, as well as the Modification and Cancellation request, is made using the OTA_HotelResNotifRQ message.

3.3.1   Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelResNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.

Element | @Attribute	Num	Description/Contents
@ResStatus	1	Of all the enumerations listed by OpenTravel Alliance, the one recommended by HTNG for this message should be:"Commit"
@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_HotelResNotifRQ / POS / Source / RequestorID	1	This identifies the system which 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 by the trading partners and remain the same throughout the messages.
OTA_HotelResNotifRQ / 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.
@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
@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.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@ResStatus	0..1	Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server • Reserved • Waitlisted Reservation Server → Reservation Broker • Reserved • Waitlisted • In-house
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / UniqueID	1	The unique ID is the product of the system which sent the messages. For example, if the message is generated by the PMS, this field would contain the PMS confirmation number; if the system is a CRS, the CRS confirmation number.
@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_HotelResNotifRQ / 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 it could be a referring property.
@ PromotionCode	0..1	This is the promotion code indicating, for instance, a specific marketing campaign – not the rate code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans /	0..1	The RatePlans element is not required but can be sent to give further details on the rates booked in this reservation.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan /	1..n	A collection of rate plans to be booked.
@RatePlanCode	1	This is the code of the rate booked.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan / RatePlanInclusions	1	Defines charges that are included in this rate plan.
@TaxInclusive	1	Boolean. Defines if the rate booked is tax inclusive or not.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan / MealsIncluded	0..1	
@MealPlanIndicator	1	Boolean. If the meal plan is included in the rate value, this value must be set to true. If this value is false, then MealPlanCodes must be blank.
@MealPlanCodes	1	Comma separated string of OpenTravel Alliance meal plan codes (MPT) that apply to the reservation. Although multiple meal plans are allowed, those systems handling only a single meal plan should use the first value in the string. A blank string indicates the removal of any meal plan codes that may already exist.
OTA_HotelResNotifRQ / 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 which the rate being booked belongs to.
@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 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. In the case of shared reservations, this value will always be "1".
@RatePlanCode	1	This is the rate booked for the room type code listed in the RoomTypeCode attribute.

Element	@Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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 that the rate amount is based upon (e.g., rate for one day in case of nightly rates).
OTA_HotelResNotifRQ / 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 used ISO 4217 codes to indicate the currency of the rate that is being booked.
@AmountBeforeTax	0	AmountBeforeTax if available can be sent for each @NumberOfGuests.
@AmountAfterTax	1	AmountAfterTax is Mandatory for each @NumberOfGuests.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate / Rates / Rate / Base / Taxes	0..1	
@ Amount	0..1	Total Amount of Taxes applied to the booking.
@CurrencyCode	0..1	Currency of the total Amount of Taxes.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax	0..99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive", or "cumulative".

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The two 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.
@AgeBucket	0..1	This value may be included to identify the age bucket that the GuestCount corresponds to. If this is included, count will indicate the number of guests for this age bucket.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	
@CardType	0..1	Optional field. However, if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is the actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@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 two options are: charge (prepayment) or reserve (deposit). Would be Optional in the schema.
OTA_HotelResNotifRQ / 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.
@CardType	0..1	Optional field. However, if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
@ExpireDate	0..1	This is the expiry date of the credit card used for deposit/prepayment.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode used 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional. Can be used for Total Pricing.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation.
OTA_HotelResNotifRQ / 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 to.
@AccountID	1	The account that needs to be credited with points for the stay booked.
OTA_HotelResNotifRQ / 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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	Comments
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated to 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 *versus* 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 implementing partners based on the functionality of the systems involved.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode	0..n	Billing codes that apply to a set of instructions for a set of transactions that are routed to a designated folio.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / BillingCode	1	The individual billing code that applies to a set of instructions that are routed to a designated folio.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / BillingType	0..1	Used to define the type of the BillingCode, such as group, corporate and casino. Refer to OpenTravel Code List Reservation Billing Type (RBT).

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / AuthorizationCode	0..1	The authorization code associated with the billing code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / Description	0..1	A short description of the billing code or instructions.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BilliingInstructionCode / Start	0..1	The starting value of the time span.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BilliingInstructionCode / End	0..1	The ending value of the time span.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BilliingInstructionCode / AccountNumber	0..1	Identifies the account number where the charges will be routed.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BilliingInstructionCode / ResGuestRPH	0..n	A reference to a guest ID object that may be defined in ResGuests/ResGuest
@RPH	1	A unique reference to the guest ID.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest /	1..n	
@ResGuestRPH	1	For simple reservations: If profiles for guest, travel agency, and company are available, they would all be linked to a sigle ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accomodate more complex scenarios.

Element	@Attribute	Num	Description/Contents
@PrimaryIndicator	0..1	New attribute in OpenTravel Alliance 2007A. This indicates the primary guest on a reservation. In the case of multiple guests on a reservation, the guest responsible for payment, etc. will be marked true. Currently Optional in OpenTravel Alliance schema but needs to be Mandatory to support passing of multiple guests on a reservation (Additional Profile).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID	0..9	Used to allow additional ids for matching purposes
@ 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID / CompanyName	0..1	Further identifier
@CodeContext	1	
@Code	1	
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile	1..n	
@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].
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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 name First name.
OTA_HotelResNotifRQ / 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 name Middle name.
OTA_HotelResNotifRQ / 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 name Surname.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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 numbers 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 *versus* 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_HotelResNotifRQ / 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 *versus* 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 it can be Optional.
@DefaultInd	0..1	DefaultInd is Optional and would indicate whether the email is the primary email for the profile.
OTA_HotelResNotifRQ / 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 *versus* business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element	@Attribute	Num	Description/Contents
@MembershipID	0..1	The membershipID attribute will indicate the actual number.
@LoyalLevel	0..1	Indicates special privileges in program assigned to individual.
@EffectiveDate	0..1	Indicates the starting date of the program
@ExpireDate	0..1	Indicates the expiration date of the program
@SignupDate	0..1	Indicates the customer's sign up date
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / RelatedTraveler	0..9	Optional. This path is used to transmit the Accompanying Guest details.
@Relation	0..1	Indicates the type of relationship with the person in the profile, such as Spouse, Child, Family, Business Associate, Interest Group, Medical, Security, Other, etc.
@Birthdate	0..1	The related traveler's birthday information
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / RelatedTraveler / PersonName / NamePrefix	0..1	Optional. This path is used to transmit the Accompanying Guest details. This field would be used to pass the guest's name Prefix.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / RelatedTraveler / GivenName	0..1	Optional. This path is used to transmit the Accompanying Guest details. This field would be used to pass the guest's First name.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / RelatedTraveler / MiddleName	0..1	Optional. This path is used to transmit the Accompanying Guest details. This field would be used to pass the guest's Middle Name.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / RelatedTraveler / Surname	1	Mandatory if an accompanying traveler profile is passed. This path is used to transmit the Accompanying Guest details. This field would be used to pass the guest's Surname.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / RelatedTraveler / NameSuffix	0..1	Optional. This field would be used to pass the accompanying traveler's suffix.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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 *versus* 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 the 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.E
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple types to transfer: 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

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	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 which is associated to the one that is being transferred.
@ResID_Source	0..1	A unique identifier to indicate the source system which generated the ResID_Value
@ForGuest	0	When 1 the confirmation number given to the guest. This number should be searchable by the destination.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services	0..n	
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service	1	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@ServicePricingType	1	An enumerated type that defines how a service is priced: 1. Per stay 2. Per night 3. Per person per night 4. Per use
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@Inclusive	1	Whether the price for this service is included in the room rate.

Element | @Attribute	Num	Description/Contents
@Quantity	0..1	The number of tickets, rounds of golf, etc. Also serves as the number of persons when pricing class is per person or per person per night.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ Price	0..99	The selling price of this service.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ Price / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode used 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_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ Price / Total / Taxes	0..1	Optional. Can be used for Total Pricing.
@ Amount	0..1	Total Amount of Taxes applied to the service.
@CurrencyCode	0..1	Currency of the total Amount of Taxes.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ Price / 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_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ ServiceDetails	0..99	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_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ ServiceDetails GuestCounts / GuestCount	0..1	Contains the type and number of guests included in the service request.
@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_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ ServiceDetails/ TimeSpan	0..99	These are the in and out date of the booking.
@Start	1	Service Start Date.
@End	1	Service End Date.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ ServiceDetails/ Comments / Comment	1	
@Name	0..1	Allows types of Comments to be differentiated
@GuestViewable	1	This indicates that the comment can actually be seen by the guest and is necessary when two different types of comments are passed: one which is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResNotifRQ/ HotelReservations/ HotelReservation/ Services/ Service/ ServiceDetails/ Comments / Comment / Text	1	Comments

3.4   Book Reservation Response

The book reservation response is made using the OTA_HotelResNotifRS message.

3.4.1   Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.

Element	@Attribute	Num	Description/Contents
@Version	1	Version is a mandatory attribute in OTA; 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	Given that the OTA_HotelResNotifRQ message is used for additions, modifications, and cancellations, this attribute is used to replicate whether the original message was an addition, a modification, or a cancellation and does not refer to the status of the transaction itself but rather to the nature of the original message. The only three enumerations allowed will therefore be: Committed, Modified, and Cancelled. In this case Committed would be used.
OTA_HotelResNotifRS / 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_HotelResNotifRS / Success	1	Mandatory if no Errors were 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_HotelResNotifRS / 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.
OTA_HotelResNotifRS / HotelReservations / HotelReservation		

Element | @Attribute	Num	Description/Contents
@ResStatus		Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server • Reserved • Waitlisted Reservation Server → Reservation Broker • Reserved • Waitlisted
OTA_HotelResNotifRS / HotelReservations / HotelReservation / UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e., the system which sent the OTA_HotelResNotifRQ message for which the OTA_HotelresNotifRS 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).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This is the confirmation number associated by the system which received the booking.

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	ResID_Value is the actual confirmation number.
@ResID_Source	0..1	A unique identifier to indicate the source system which generated the ResID_Value
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

3.4.2   ExampleMessage

```
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRS.xsd" Version="1.003" EchoToken="879791878" TimeStamp=" 2005-10-
09T18:52:15" ResResponseType="Committed">
    <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_HotelResNotifRS>
```

3.5   Change Reservation Request

The change reservation request is made using the OTA_HotelResNotifRQ message.

3.5.1 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@ResStatus	1	Of all the enumerations listed by OTA, the one recommended by HTNG for this message should be: "Modify".
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_HotelResNotifRQ / POS / Source / RequestorID	1	This identifies the system which 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 by the trading partners and remain the same throughout the messages.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation	1	Must be sent for the message to have a meaning.

Element | @Attribute	Num	Description/Contents
@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	1	This indicates the last date and time when the reservation was modified.
@LastModifierID	1	This indicates the last user who modified the reservation.
@ResStatus	1	Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server • Reserved • Waitlisted Reservation Server → Reservation Broker • Reserved • Waitlisted • No-show • In-house • Checked-Out
OTA_HotelResNotifRQ / 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 web site 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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 it could be a referring property.
@ PromotionCode	0..1	This is the promotion code indicating, for instance, a specific marketing campaign – not the rate code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans /	0..1	The RatePlans element is not required but can be sent to give further details on the rates booked in this reservation.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan /	1..n	A collection of rate plans to be booked.
@RatePlanCode	1	This is the code of the rate booked.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan / RatePlanInclusions	0	Defines charges that are included in this rate plan.
@TaxInclusive	1	Boolean. Defines if the rate booked is tax inclusive or not.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RatePlans / RatePlan / MealsIncluded	0..1	
MealPlanIndicator	1	
MealPlanCodes	1	
OTA_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@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 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_HotelResNotifRQ / 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 that the rate amount is based upon (e.g., rate for one day in case of nightly rates).
OTA_HotelResNotifRQ / 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 used ISO 4217 codes to indicate the currency of the rate that is being booked.
@AmountBeforeTax	0	AmountBeforeTax if available can be sent for each @NumberOfGuests.
@AmountAfterTax	1	AmountAfterTax is Mandatory for each @NumberOfGuests.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate / Rates / Rate / Base / Taxes	0..1	
@ Amount	0..1	Total Amount of Taxes applied to the booking.
@CurrencyCode	0..1	Currency of the total Amount of Taxes.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / 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.
@Amount	0..1	Amount of the specific tax/fee transferred.
@CurrencyCode	0..1	Currency for the Amount of the specific tax/fee transferred.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The two 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.
@AgeBucket	0..1	This value may be included to identify the age bucket that the GuestCount corresponds to. If this is included, count will indicate the number of guests for this age bucket.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee	0..5	Guarantee provided with the reservation.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	
@CardType	0..1	Optional field. However, if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is the actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is the expiry date of the credit card used as guarantee.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / 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 two options are: charge (prepayment) or reserve (deposit). Would be Optional in the schema.
OTA_HotelResNotifRQ / 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.
@CardType	0..1	Optional field. However, if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2-letter code indicative of the card (VS, MC, AX, etc.).
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (Optionally) for the security number of the card.
@ExpireDate	0..1	This is expiry date of the credit card used for deposit/prepayment.
OTA_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.
@DirectBill_ID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode used 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation.
OTA_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment	1	
@Name	0..1	Allows types of Comments to be differentiated
@GuestViewable	1	This indicates that the comment can actually be seen by the guest and is necessary when two different types of comments are passed: one which is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	Comments
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated to 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 *versus* 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 implementing partners based on the functionality of the systems involved.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest /	1..n	
@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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID	0..9	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_HotelResNotifRQ / 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].
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / UniqueID / CompanyName	0..1	Further identifier
@CodeContext	1	
@Code	1	
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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 name First name.
OTA_HotelResNotifRQ / 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 name Middle name.
OTA_HotelResNotifRQ / 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 name Surname.
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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 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 *versus* fax). The two 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_HotelResNotifRQ / 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 *versus* 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 it can be Optional.
@DefaultInd	0..1	DefaultInd is Optional and would indicate whether the email is the primary email for the profile.
OTA_HotelResNotifRQ / 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 *versus* business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed.

Element	@Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element | @Attribute	Num	Description/Contents
@MembershipID	0..1	The membershipID attribute will indicate the actual number.
@LoyalLevel	0..1	Indicates special privileges in program assigned to individual.
@EffectiveDate	0..1	Indicates the starting date of the program
@ExpireDate	0..1	Indicates the expiration date of the program
@SignupDate	0..1	Indicates the customer's sign up date
OTA_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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.

Element	@Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / 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 *versus* fax). The codes to be used by HTNG are: 1 –Voice 3 –Fax 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 the 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_HotelResNotifRQ / 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_HotelResNotifRQ / 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / ArrivalTransport / TransportInfo	0..1	The three attributes below are used to indicate the arrival details for the guests to which the booking pertains.

Element | @Attribute	Num	Description/Contents
@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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / DepartureTransport / TransportInfo	0..1	The three 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple types to transfer: 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 associated by the receiving system when the reservation was first sent and acknowledged; Mandatory if the original booking was also sent via the interface 4. In the case of sharer reservations, a separate HotelReservationID node for each related reservation is required A HotelReservationID node containing the information found in the UniqueID element is required.

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	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 which is associated to the one that is being transferred. If HotelReservationID is passed to transfer the receiving system's confirmation number, ResID_Value is the receiving system's confirmation number. For instance, if the flow of reservation is from CRS to PMS, HotelReservationID will transfer the PMS confirmation number.
@ResID_Source	0..1	A unique identifier to indicate the source system which generated the ResID_Value
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

3.5.2 ExampleMessage

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Modify"
TimeStamp=" 2005-10-09T19:30:30">
    <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 -->
```

```xml
                <CompanyName Code="LC">Lodging</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2005-10-09T08:51:45" CreatorID="FLAUA" LastModifierID="AMR" LastModifyDateTime="2005-12-21T19:30:30">
            <UniqueID Type="14" ID="3741"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                    <RatePlans>
                        <RatePlan>
                            <MealsIncluded MealPlanIndicator="true" MealPlanCodes="">
                        </RatePlan>
                    </RatePlans>
                    <RoomRates>
                    <RoomRates>
                        <RoomRate RoomTypeCode="A2K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S" InvBlockCode="XYZGroup">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2006-01-12" ExpireDate="2006-01-15">
                                    <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                    </Base>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2006-01-15" ExpireDate="2006-01-17">
                                    <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                    </Base>
                                </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="2006-01-17" Start="2006-01-12"/>
                    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                        <GuaranteesAccepted>
                            <GuaranteeAccepted>
                                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607" SeriesCode="123" CardCode="VS">
                                    <CardHolderName>James Bond</CardHolderName>
                                </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">
```

```xml
                    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607" SeriesCode="123" CardCode="VS">
                        <CardHolderName>James Bond</CardHolderName>
                    </PaymentCard>
                </AcceptedPayment>
            </AcceptedPayments>
            <AmountPercent Amount="50.00" CurrencyCode="EUR">
            </AmountPercent>
            <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">
    </BasicPropertyInfo>
    <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>
```

```xml
                    <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>MI5</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 = TravelAgent-->
            <CompanyInfo>
```

```xml
                        <CompanyName>TravelDreams</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="2006-01-12T14:00:00" Type="Air" ID="BA125"/>
                </ArrivalTransport>
                <DepartureTransport>
                    <TransportInfo Time="2006-01-17T19:00:00" 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_HotelResNotifRQ>
```

3.6   Change Reservation Response

The change reservation response is made using the OTA_HotelResNotifRS message.

3.6.1   Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.

Element | @Attribute	Num	Description/Contents
@ResResponseType	1	Given that the OTA_HotelResNotifRQ message is used for additions, modifications, and cancellations, this attribute is used to replicate whether the original message was an addition, a modification, or a cancellation and does not refer to the status of the transaction itself but rather to the nature of the original message. The only three enumerations allowed will therefore be: Committed, Modified, and Cancelled. In this case Modified would be used.
OTA_HotelResNotifRS / Errors / Error	1..99	Mandatory ONLY if the Success element is not sent. Only needed if the 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_HotelResNotifRS / 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_HotelResNotifRS / 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.
OTA_HotelResNotifRS / HotelReservations / HotelReservation		

Element | @Attribute	Num	Description/Contents
@ResStatus	1	Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server • Reserved • Waitlisted Reservation Server → Reservation Broker • Reserved • Waitlisted • In-house • Checked-Out
OTA_HotelResNotifRS / HotelReservations / HotelReservation / UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e., the system which sent the OTA_HotelResNotifRQ message for which the OTA_HotelresNotifRS 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).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This is the confirmation number associated by the system which received the booking.

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	ResID_Value is the actual confirmation number.
@ResID_Source	0..1	A unique identifier to indicate the source system which generated the ResID_Value
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

3.6.2   ExampleMessage

```
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRS.xsd" EchoToken="879791900" TimeStamp="2005-01-26T19:31:02-
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_HotelResNotifRS>
```

3.7   Cancel Reservation Request

The cancel reservation request is made using the OTA_HotelResNotifRQ message.

3.7.1 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@ResStatus	1	Of all the enumerations listed by OTA, the one recommended by HTNG for this message should be: "Cancel".
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_HotelResNotifRQ / POS / Source / RequestorID	1	This identifies the system which 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 by the trading partners and remain the same throughout the messages.
OTA_HotelResNotifRQ / 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	1	This indicates the last date and time when the reservation was modified.
@LastModifierID	1	This indicates the last user who modified the reservation.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation /		

Element	@Attribute	Num	Description/Contents
@ResStatus	1	Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server - Cancelled Reservation Server → Reservation Broker - Cancelled - No-Show
OTA_HotelResNotifRQ / 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 web site 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_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This can be used to transfer: 1. The confirmation number associated by the system which received the booking. (Mandatory) 2. This would also be used to pass the cancellation number of the reservation being cancelled IF the generating system assigns a different cancellation number to the original Unique ID (Optionally). If it does not, the same info passed in Unique ID would be repeated here (Optionally).

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 15 – [Cancellation] 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	ResID_Value is the actual confirmation number (if type is 10 or 14). ResID_Value would be the cancellation number from the originating system (if type is 15).
@ResID_Source	0..1	ResID_Source would be used to transfer the name of the system that generated the number (i.e., the CRS or the PMS).
@ResID_Date	0..1	ResID_Date would be (Optionally) used when transferring a cancellation number and it would indicate the date when the cancellation took place.
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Comments	0..1	
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Comments / Comment	1..n	
@Name	0..1	Allows types of Comments to be differentiated

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / 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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Comments / Comment / Text	1	Comments
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Profiles	0..1	
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Profiles / ProfileInfo	1..n	
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Profiles / ProfileInfo / Profile / Customer / ContactPerson / PersonName / SurName	1	The name of the person cancelling the reservation
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Profiles / ProfileInfo / Profile / Customer / ContactPerson / Telephone	0..1	
@PhoneNumber	1	The phone number of the person cancelling the reservation

3.7.2 ExampleMessage

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791950" ResStatus="Cancel"
TimeStamp=" 2005-10-09T20:51:45">
  <POS>
    <Source>
      <RequestorID Type="22" ID="TrustCRS" />
      <!-- code 22 = Electronic reservation service provider -->
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2005-10-09T08:51:45" CreatorID="FLAUA" LastModifierID="AMR"
="2005-12-21T20:51:45">
      <UniqueID Type="14" ID="3741"></UniqueID>
      <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_HotelResNotifRQ>
```

The cancel reservation response is made using the OTA_HotelResNotifRS message.

3.7.3 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OTA; 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	Given that the OTA_HotelResNotifRQ message is used for additions, modifications, and cancellations, this attribute is used to replicate whether the original message was an addition, a modification, or a cancellation and does not refer to the status of the transaction itself but rather to the nature of the original message. The only three enumerations allowed will therefore be: Committed, Modified, and Cancelled. In this case Cancelled would be used.
OTA_HotelResNotifRS / 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRS / Success	1	Mandatory if no Errors were 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_HotelResNotifRS / 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.
OTA_HotelResNotifRS / HotelReservations / HotelReservation		
@ResStatus	1	Indicates the current status of the reservation. Valid values are dependant on the roles: Reservation Broker → Reservation Server • Cancelled Reservation Server → Reservation Broker • Cancelled • No-Show
OTA_HotelResNotifRS / HotelReservations / HotelReservation / UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e., the system which sent the OTA_HotelResNotifRQ message for which the OTA_HotelresNotifRS 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).

Element	@Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This can be used to transfer: 1. The confirmation number associated by the system which received the booking (Mandatory) 2. The cancellation number of the reservation being cancelled IF the generating system assigns a different cancellation number to the original Unique ID. (Optionally); if it does not, the same info passed in Unique ID would be repeated here (Optionally) 3. The cancellation number of the receiving system IF the receiving system assigns a different cancellation number to the original confirmation (Optionally)
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. 10 – Reservation Server 13 – Internet Broker 14 – Reservation Broker 15 – [Cancellation] 24 – Travel Agent PNR 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation 34 – Master Itinerary 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	ResID_Value is the actual confirmation number (if type is 10 or 14). ResID_Value would be the cancellation number from the originating system (if type is 15).
@ResID_Source	0..1	ResID_Source would be used to transfer the name of the system that generated the number (i.e., the CRS or the PMS).
@ResID_Date	0..1	ResID_Date would be (Optionally) used when transferring a cancellation number and it would indicate the date when the cancellation took place.
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

3.7.4   ExampleMessage

```
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRS.xsd" EchoToken="879791950" TimeStamp="2005-01-26T20:52:02-
05:00"  Version="1.003" ResResponseType="Cancelled">
  <Success/>
```

```
  <HotelReservations>
      <HotelReservation>
          <UniqueID Type="14" ID="3741"></UniqueID>
          <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_HotelResNotifRS>
```

3.8   Available Reservation Request (Asynchronous Pull)

The OTA_ReadRQ message is used to request reservations for processing.

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 OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_ReadRQ / POS / Source / RequestorID	1	This identifies the system which 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 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.

Element | @Attribute	Num	Description/Contents
@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 / HotelReadRequest	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.
OTA_ReadRQ / ReadRequests / HotelReadRequest / SelectionCriteria	1	Contains the selection criteria to filter reservations to be retrieved.
@Start	0..1	The start date of the date range of the reservations to be retrieved. What the date range refers to is defined by @DateType. If @EndDate or @DateType is present, @StartDate is Mandatory.
@End	0..1	The end date of the date range of the reservations to be retrieved. What the date range refers to is defined by @DateType. If @StartDate or @DateType is present, @EndDate is Mandatory.
@DateType	0..1	An enumerated value which defines to what the @StartDate and @EndDate date range refers. If @StartDate or @EndType is present, @EndDate is Mandatory. Values: ArrivalDate, DepartureDate, CreateDate, LastUpdateDate.
@SelectionType	1	An enumerated value indicating which specifies the delivery status of the reservations to be retrieved. Values: All, PreviouslyDelivered, Undelivered.
@GroupCode	0..1	A code identifying the group block of the reservations to be retrieved.

Element | @Attribute	Num	Description/Contents
@ResStatus	0..1	An enumerated value which specifies the reservation status of the reservations to be retrieved. OpenTravel Alliance type HotelResStatusType which is a union of OpenTravel Alliance TransactionActionType and OpenTravel Alliance PMS_ResStatusType.
@OriginalDeliveryMethod	0..1	A coded value which specifies the original delivery method of the reservations to be retrieved. Values are:
		1 Fax
		2 E-mail
		3 Mail
		4 Courier
		5 Airport collection
		6 City office
		7 Hotel desk
		8 Will call
		9 Express mail
		10 Telephone
		11 XML
		12 FTP
		13 Website
		14 HTTP
		15 Non-XML
		16 Any

3.9 Available Reservation Response (Asynchronous Pull)

The OTA_ResRetrieveRS message is used to return reservations requested by the OTA_ReadRQ message.

3.10 Process Reservation Response (Asynchronous Pull)

The OTA_NotifReportRQ message returns the results (success/error) of reservations delivered in the OTA_ResRetrieveRS message.

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 OTA; 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	0...n	Contains the reservations which 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 which meet the search criteria.
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / RequestorID	1	This identifies the system which 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 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
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / BookingChannel / CompanyName	0	The name of the booking source would be in the Company name field.
@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.

Element	@Attribute	Num	Description/Contents
OTA_NotifReportRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_NotifReportRQ / 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_NotifReportRQ / Success	1	Mandatory if no Errors were 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_NotifReportRQ / 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.
OTA_NotifReportRQ / NotifDetails / HotelNotifReport / HotelReservations / HotelReservation /	1..n	Hotel Reservations which have been processed by the receiving system. The content of this node should mirror the results returned by a successful OTA_HotelResNotifRS message using the push model.
OTA_NotifReportRQ / NotifDetails / HotelNotifReport / HotelReservations / HotelReservation /UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e., the system which sent the OTA_ResRetrieveRS message for which the OTA_NotifReportRQ message is sent).
OTA_NotifReportRQ / NotifDetails / HotelNotifReport / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This is the confirmation number associated by the system which received the booking.

Element | @Attribute	Num	Description/Contents
@ResID_Type	1	ResID_Type is assigned values from the UIT code list.
		10 – Reservation Server
		13 – Internet Broker
		14 – Reservation Broker
		24 – Travel Agent PNR
		25- Associated reservation (travelling with)
		26- Associated itinerary reservation
		27- Associated shared reservation
		34 – Master Itinerary
		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	ResID_Value is the actual confirmation number.
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

3.11   Processed Reservations Receipt (Asynchronous Pull)

The OTA_NotifReportRS message returns an acknowledgment of receipt of the processed reservations in the OTA_NotifReportRQ message.

Element | @Attribute	Num	Description/Contents
OTA_NotifReportRS	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
OTA_NotifReportRS / 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_NotifReportRS / Success	1	Mandatory if no Errors were 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.

Element | @Attribute	Num	Description/Contents
OTA_NotifReportRS / 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.

3.12   FAQ

3.12.1   How should all the identifiers be assigned?

The UniqueID element at the top of the message will contain the confirmation ID of the system sending the reservation. 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. If known, the confirmation number given to the guest by the first reservation system will be marked as such using the ForGuest attribute.

3.12.2   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. Please see **Error! Reference source not found.** for more information.

3.12.3   How can share reservations be sent?

Share reservations should be sent in separate HotelReservation elements. Please see the Appendices for more information.

3.12.4   What is the distinction between OTA_HotelResNotif/@ResStatus and OTA_HotelResNotif/HotelReservations/HotelReservation/@ResStatus?

OTA_HotelResNotif/@ResStatus indicates the action to be performed by the message recipient (Commit, Modify, Cancel).
HotelReservation/@ResStatus indicates the status of the reservation. The chart below should assist in defining the valid conditions for sending both values.

@ResStatus	Commit	Modify	Cancel
Reserved	✔	✔	
Cancelled			✔
Waitlisted	✔	✔	

No-Show		✔	✔
In-house	✔	✔	
Checked-out		✔	

Chapter 4   Use Cases

4.1   Use Cases – Accompanying Guest

4.1.1   Accompanying Guest

```xml
<!--

        Scenario 1: Accompanying Guest

        Guest 1 arrives 2008-11-12 and departs on 2008-11-15
        Guest 2 is travelling with Guest 1 as an accompanying guest

-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Book"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
      <Source>
        <RequestorID Type="22" ID="SynXis"/>
        <!-- code 22 = Electronic reservation service provider -->
        <BookingChannel Primary="1" Type="5">
            <!-- code 5 = Central Reservation system -->
            <CompanyName Code="UA">SynXis CRS</CompanyName>
        </BookingChannel>
      </Source>
    </POS>
    <HotelReservations>
      <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
        <UniqueID Type="14" ID="10107SY3741"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
          <RoomStay>
            <RoomRates>
              <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                <Rates>
                  <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                    <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                  </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="2008-11-15" Start="2008-11-12"/>
            <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
              <GuaranteesAccepted>
```

```xml
                    <GuaranteeAccepted>
                        <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                            <CardHolderName>James Bond</CardHolderName>
                        </PaymentCard>
                    </GuaranteeAccepted>
                </GuaranteesAccepted>
                <GuaranteeDescription>
                    <Text>Guarantee by cc</Text>
                </GuaranteeDescription>
            </Guarantee>
            <Total AmountAfterTax="300.00" CurrencyCode="USD"/>
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1" PrimaryIndicator="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>
                            <RelatedTraveler Relation="Business Associate">
                                <PersonName>
                                    <NamePrefix>Ms</NamePrefix>
                                    <GivenName>Second</GivenName>
                                    <MiddleName>Guest</MiddleName>
                                    <Surname>Bardot</Surname>
                                </PersonName>
```

```
                </RelatedTraveler>
                <CustLoyalty ProgramID="FrequentGuest" MembershipID="12345"/>
            </Customer>
          </Profile>
        </ProfileInfo>
      </Profiles>
    </ResGuest>
  </ResGuests>
  <ResGlobalInfo>
    <HotelReservationIDs>
      <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
      <!--code 14 = reservation-->
    </HotelReservationIDs>
  </ResGlobalInfo>
  </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2   Use Cases – Sharers

4.2.1   Simple Sharer Scenario 1

```
<!--

    Scenario 1: Simple Sharer

    Guest 1 arrives 2008-11-12 and departs on 2008-11-15
    Guest 2 arrives 2008-11-12 and departs on 2008-11-15

    They split the rate 50%

-->
```

```
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Book"
TimeStamp=" 2005-10-09T19:30:30">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="5">
        <!-- code 5 = Central Reservation system -->
        <CompanyName Code="UA">SynXis CRS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
      <UniqueID Type="14" ID="10107SY3741"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay>
          <RoomRates>
            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
```

```xml
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                            <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                        </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="2008-11-15" Start="2008-11-12"/>
            <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                <GuaranteesAccepted>
                    <GuaranteeAccepted>
                        <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                            <CardHolderName>James Bond</CardHolderName>
                        </PaymentCard>
                    </GuaranteeAccepted>
                </GuaranteesAccepted>
                <GuaranteeDescription>
                    <Text>Guarantee by cc</Text>
                </GuaranteeDescription>
            </Guarantee>
            <Total AmountAfterTax="300.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1">
            <Profiles>
                <ProfileInfo>
                    <!-- 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">
```

```xml
                            <!--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>
                    </Customer>
                </Profile>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
        <!--code 14 = reservation-->
        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
        <!--code 27 = Associated shared reservation-->
    </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
    <UniqueID Type="14" ID="10107SY3741"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
        <RoomStay>
            <RoomRates>
                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                            <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
                <GuestCount AgeQualifyingCode="10" Count="1"/>
                <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-11-15" Start="2008-11-12"/>
            <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                <GuaranteesAccepted>
                    <GuaranteeAccepted>
                        <PaymentCard CardNumber="4111111111111111" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                            <CardHolderName>Felix Leiter</CardHolderName>
                        </PaymentCard>
                    </GuaranteeAccepted>
                </GuaranteesAccepted>
                <GuaranteeDescription>
                    <Text>Guarantee by cc</Text>
                </GuaranteeDescription>
            </Guarantee>
```

```xml
                           <Total AmountAfterTax="300.00" CurrencyCode="USD" />
                           <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                           <ResGuestRPHs>
                             <ResGuestRPH RPH="1"/>
                           </ResGuestRPHs>
                        </RoomStay>
                     </RoomStays>
                     <ResGuests>
                        <ResGuest ResGuestRPH="1">
                           <Profiles>
                             <ProfileInfo>
                                <!-- code 1 = Customer-->
                                <Profile ProfileType="1">
                                   <!--code 1 = Customer -->
                                   <Customer>
                                      <PersonName>
                                         <NamePrefix>Mr</NamePrefix>
                                         <GivenName>Felix</GivenName>
                                         <Surname>Leiter</Surname>
                                      </PersonName>
                                      <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="703-482-0623" PhoneTechType="1" PhoneLocationType="7"/>
                                      <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office,  -->
                                      <Email EmailType="2">felix.leiter@cia.gov</Email>
                                      <!--code 2 = Business -->
                                      <Address Type="1">
                                         <!--code 1 = Home -->
                                         <AddressLine>Central Intelligence Agency</AddressLine>
                                         <AddressLine>Office of Public Affairs</AddressLine>
                                         <CityName>Washington</CityName>
                                         <PostalCode>20505</PostalCode>
                                         <StateProv StateCode="DC"/>
                                         <CountryName Code="US"/>
                                      </Address>
                                   </Customer>
                                </Profile>
                             </ProfileInfo>
                           </Profiles>
                        </ResGuest>
                     </ResGuests>
                     <ResGlobalInfo>
                        <HotelReservationIDs>
                           <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
                           <!--code 14 = reservation-->
                           <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                           <!--code 27 = Associated shared reservation-->
                        </HotelReservationIDs>
                     </ResGlobalInfo>
                  </HotelReservation>
               </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2.2   Simple Sharer Scenario 2

```xml
<!--
```

```
        Scenario 2: Simple Sharer

        Guest 1 arrives 2008-11-12 and departs on 2008-11-15
        Guest 2 arrives 2008-11-13 and departs on 2008-11-15

        They split the rate 50%
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
   <POS>
      <Source>
         <RequestorID Type="22" ID="SynXis"/>
         <!-- code 22 = Electronic reservation service provider -->
         <BookingChannel Primary="1" Type="5">
            <!-- code 5 = Central Reservation system -->
            <CompanyName Code="UA">SynXis CRS</CompanyName>
         </BookingChannel>
      </Source>
   </POS>
   <HotelReservations>
      <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
         <UniqueID Type="14" ID="10107SY3741"/>
         <!-- code 14 = Reservation -->
         <RoomStays>
            <RoomStay>
               <RoomRates>
                  <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                     <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-13">
                           <Base AmountAfterTax="200.00" CurrencyCode="USD"/>
                        </Rate>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-13" ExpireDate="2008-11-15">
                           <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                        </Rate>
                     </Rates>
                  </RoomRate>
               </RoomRates>
               <GuestCounts IsPerRoom="1">
                  <GuestCount AgeQualifyingCode="10" Count="1"/>
                  <!-- code 10 = Adult-->
               </GuestCounts>
               <TimeSpan End="2008-11-15" Start="2008-11-12"/>
               <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                  <GuaranteesAccepted>
                     <GuaranteeAccepted>
                        <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                           <CardHolderName>James Bond</CardHolderName>
                        </PaymentCard>
                     </GuaranteeAccepted>
                  </GuaranteesAccepted>
                  <GuaranteeDescription>
```

```xml
                        <Text>Guarantee by cc</Text>
                    </GuaranteeDescription>
                </Guarantee>
                <Total AmountAfterTax="400.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                    <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
        </RoomStays>
        <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                    <ProfileInfo>
                        <!-- 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>
                            </Customer>
                        </Profile>
                    </ProfileInfo>
                </Profiles>
            </ResGuest>
        </ResGuests>
        <ResGlobalInfo>
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                <!--code 14 = reservation-->
                <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                <!--code 27 = Associated shared reservation-->
            </HotelReservationIDs>
        </ResGlobalInfo>
    </HotelReservation>
```

```xml
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
    <UniqueID Type="14" ID="10107SY3741"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
        <RoomStay>
            <RoomRates>
                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-13" ExpireDate="2008-11-15">
                            <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
                <GuestCount AgeQualifyingCode="10" Count="1"/>
                <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-11-15" Start="2008-11-13"/>
            <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                <GuaranteesAccepted>
                    <GuaranteeAccepted>
                        <PaymentCard CardNumber="4111111111111111" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                            <CardHolderName>Felix Leiter</CardHolderName>
                        </PaymentCard>
                    </GuaranteeAccepted>
                </GuaranteesAccepted>
                <GuaranteeDescription>
                    <Text>Guarantee by cc</Text>
                </GuaranteeDescription>
            </Guarantee>
            <Total AmountAfterTax="200.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1">
            <Profiles>
                <ProfileInfo>
                    <!-- code 1 = Customer-->
                    <Profile ProfileType="1">
                        <!--code 1 = Customer -->
                        <Customer>
                            <PersonName>
                                <NamePrefix>Mr</NamePrefix>
                                <GivenName>Felix</GivenName>
                                <Surname>Leiter</Surname>
                            </PersonName>
                            <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="703-482-0623" PhoneTechType="1" PhoneLocationType="7"/>
                            <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office,  -->
                            <Email EmailType="2">felix.leiter@cia.gov</Email>
```

```xml
                                    <!--code 2 = Business -->
                                    <Address Type="1">
                                        <!--code 1 = Home -->
                                        <AddressLine>Central Intelligence Agency</AddressLine>
                                        <AddressLine>Office of Public Affairs</AddressLine>
                                        <CityName>Washington</CityName>
                                        <PostalCode>20505</PostalCode>
                                        <StateProv StateCode="DC"/>
                                        <CountryName Code="US"/>
                                    </Address>
                                </Customer>
                            </Profile>
                        </ProfileInfo>
                    </Profiles>
                </ResGuest>
            </ResGuests>
            <ResGlobalInfo>
                <HotelReservationIDs>
                    <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
                    <!--code 14 = reservation-->
                    <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                    <!--code 27 = Associated shared reservation-->
                </HotelReservationIDs>
            </ResGlobalInfo>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2.3   Simple Sharer Scenario 3

```xml
<!--
        Scenario 3: Simple Sharer

        Room price per night = $500

        Guest 1 arrives 2008-12-01 and departs on 2008-12-07
        Guest 2 arrives 2008-12-01 and departs on 2008-12-04
        Guest 3 arrives 2008-12-03 and departs on 2008-12-06

        They split the rate evenly
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
```

```xml
            </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
            <UniqueID Type="14" ID="10107SY3741"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-01" ExpireDate="2008-12-03">
                                    <Base AmountAfterTax="250.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-03" ExpireDate="2008-12-04">
                                    <Base AmountAfterTax="166.67" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-04" ExpireDate="2008-12-06">
                                    <Base AmountAfterTax="250.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-06" ExpireDate="2008-12-07">
                                    <Base AmountAfterTax="500.00" CurrencyCode="USD"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="1"/>
                    </GuestCounts>
                    <TimeSpan End="2008-12-07" Start="2008-12-01"/>
                    <Total AmountAfterTax="1666.67" CurrencyCode="USD" />
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1">
                    <Profiles>
                        <ProfileInfo>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
                                <!--code 1 = Customer -->
                                <Customer>
                                    <PersonName>
                                        <NamePrefix>Mr</NamePrefix>
                                        <GivenName>James</GivenName>
                                        <MiddleName>Arthur</MiddleName>
                                        <Surname>Bond</Surname>
                                    </PersonName>
                                </Customer>
                            </Profile>
                        </ProfileInfo>
```

```xml
                </Profiles>
              </ResGuest>
            </ResGuests>
          <ResGlobalInfo>
            <HotelReservationIDs>
               <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
               <!--code 14 = reservation-->
               <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
               <!--code 27 = Associated shared reservation-->
               <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743" ForGuest="0"/>
               <!--code 27 = Associated shared reservation-->
            </HotelReservationIDs>
          </ResGlobalInfo>
      </HotelReservation>
      <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
        <UniqueID Type="14" ID="10107SY3742"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
          <RoomStay>
            <RoomRates>
               <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                 <Rates>
                    <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-01" ExpireDate="2008-12-03">
                      <Base AmountAfterTax="250.00" CurrencyCode="USD"/>
                    </Rate>
                    <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-03" ExpireDate="2008-12-04">
                      <Base AmountAfterTax="166.66" CurrencyCode="USD"/>
                    </Rate>
                 </Rates>
               </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
              <GuestCount AgeQualifyingCode="10" Count="1"/>
              <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-12-05" Start="2008-12-01"/>
            <Total AmountAfterTax="200.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
              <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
          </RoomStay>
        </RoomStays>
        <ResGuests>
          <ResGuest ResGuestRPH="1">
            <Profiles>
              <ProfileInfo>
                 <!-- code 1 = Customer-->
                 <Profile ProfileType="1">
                    <!--code 1 = Customer -->
                    <Customer>
                      <PersonName>
                         <NamePrefix>Mr</NamePrefix>
                         <GivenName>Felix</GivenName>
```

```xml
                        <Surname>Leiter</Surname>
                    </PersonName>
                </Customer>
            </Profile>
        </ProfileInfo>
    </Profiles>
</ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
        <!--code 14 = reservation-->
        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
        <!--code 27 = Associated shared reservation-->
        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
        <!--code 27 = Associated shared reservation-->
    </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
<UniqueID Type="14" ID="10107SY3743"/>
<!-- code 14 = Reservation -->
<RoomStays>
    <RoomStay>
        <RoomRates>
            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
            <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-03" ExpireDate="2008-12-04">
                    <Base AmountAfterTax="166.66" CurrencyCode="USD"/>
                </Rate>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-12-04" ExpireDate="2008-12-06">
                    <Base AmountAfterTax="250.00" CurrencyCode="USD"/>
                </Rate>
            </Rates>
            </RoomRate>
        </RoomRates>
        <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="1"/>
            <!-- code 10 = Adult-->
        </GuestCounts>
        <TimeSpan End="2008-12-06" Start="2008-12-03"/>
        <Total AmountAfterTax="200.00" CurrencyCode="USD" />
        <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
        <ResGuestRPHs>
            <ResGuestRPH RPH="1"/>
        </ResGuestRPHs>
    </RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest ResGuestRPH="1">
        <Profiles>
            <ProfileInfo>
                <!-- code 1 = Customer-->
                <Profile ProfileType="1">
```

```xml
                              <!--code 1 = Customer -->
                              <Customer>
                                <PersonName>
                                   <NamePrefix>Mr</NamePrefix>
                                   <GivenName>Rene</GivenName>
                                   <Surname>Mathis</Surname>
                                </PersonName>
                              </Customer>
                            </Profile>
                          </ProfileInfo>
                        </Profiles>
                    </ResGuest>
                  </ResGuests>
                  <ResGlobalInfo>
                    <HotelReservationIDs>
                        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
                        <!--code 14 = reservation-->
                        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                        <!--code 27 = Associated shared reservation-->
                        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                        <!--code 27 = Associated shared reservation-->
                    </HotelReservationIDs>
                  </ResGlobalInfo>
              </HotelReservation>
          </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2.4   Breaking Sharers

```
<!--
        Scenario 4: Breaking Shares

        Room price per night = $90

        Guest 1 arrives 2008-05-10 and departs on 2008-05-16
        Guest 2 arrives 2008-05-11 and departs on 2008-05-16
        Guest 3 arrives 2008-05-10 and departs on 2008-05-15
        Guest 1 pays the full price
        Guest 1 then cancels the reservations leaving Guest 2 and 3

        4a: booked reservation
        4b: Guest 1 cancels
        4c: Guest 2 & 3 modify to break the share

        Message A - booked reservation
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
      <Source>
          <RequestorID Type="22" ID="SynXis"/>
```

```xml
                    <!-- code 22 = Electronic reservation service provider -->
                    <BookingChannel Primary="1" Type="5">
                        <!-- code 5 = Central Reservation system -->
                        <CompanyName Code="UA">SynXis CRS</CompanyName>
                    </BookingChannel>
                </Source>
            </POS>
            <HotelReservations>
                <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
                    <UniqueID Type="14" ID="10107SY3741"/>
                    <!-- code 14 = Reservation -->
                    <RoomStays>
                        <RoomStay>
                            <RoomRates>
                                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                                    <Rates>
                                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-10" ExpireDate="2008-05-16">
                                            <Base AmountAfterTax="90.00" CurrencyCode="USD"/>
                                        </Rate>
                                    </Rates>
                                </RoomRate>
                            </RoomRates>
                            <GuestCounts IsPerRoom="1">
                                <GuestCount AgeQualifyingCode="10" Count="1"/>
                            </GuestCounts>
                            <TimeSpan End="2008-05-16" Start="2008-05-10"/>
                            <Total AmountAfterTax="540.00" CurrencyCode="USD" />
                            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                            <ResGuestRPHs>
                                <ResGuestRPH RPH="1"/>
                            </ResGuestRPHs>
                        </RoomStay>
                    </RoomStays>
                    <ResGuests>
                        <ResGuest ResGuestRPH="1">
                            <Profiles>
                                <ProfileInfo>
                                    <!-- code 1 = Customer-->
                                    <Profile ProfileType="1">
                                        <!--code 1 = Customer -->
                                        <Customer>
                                            <PersonName>
                                                <NamePrefix>Mr</NamePrefix>
                                                <GivenName>James</GivenName>
                                                <MiddleName>Arthur</MiddleName>
                                                <Surname>Bond</Surname>
                                            </PersonName>
                                        </Customer>
                                    </Profile>
                                </ProfileInfo>
                            </Profiles>
                        </ResGuest>
                    </ResGuests>
                    <ResGlobalInfo>
```

```xml
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                <!--code 14 = reservation-->
                <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                <!--code 27 = Associated shared reservation-->
                <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743" ForGuest="0"/>
                <!--code 27 = Associated shared reservation-->
            </HotelReservationIDs>
        </ResGlobalInfo>
    </HotelReservation>
    <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
        <UniqueID Type="14" ID="10107SY3742"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
            <RoomStay>
                <RoomRates>
                    <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                        <Rates>
                            <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-11" ExpireDate="2008-05-16">
                                <Base AmountAfterTax="0.00" CurrencyCode="USD"/>
                            </Rate>
                        </Rates>
                    </RoomRate>
                </RoomRates>
                <GuestCounts IsPerRoom="1">
                    <GuestCount AgeQualifyingCode="10" Count="1"/>
                    <!-- code 10 = Adult-->
                </GuestCounts>
                <TimeSpan End="2008-05-16" Start="2008-05-11"/>
                <Total AmountAfterTax="0.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                    <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
        </RoomStays>
        <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                    <ProfileInfo>
                        <!-- code 1 = Customer-->
                        <Profile ProfileType="1">
                            <!--code 1 = Customer -->
                            <Customer>
                                <PersonName>
                                    <NamePrefix>Mr</NamePrefix>
                                    <GivenName>Felix</GivenName>
                                    <Surname>Leiter</Surname>
                                </PersonName>
                            </Customer>
                        </Profile>
                    </ProfileInfo>
                </Profiles>
            </ResGuest>
```

```xml
                </ResGuests>
                <ResGlobalInfo>
                    <HotelReservationIDs>
                        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
                        <!--code 14 = reservation-->
                        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                        <!--code 27 = Associated shared reservation-->
                        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
                        <!--code 27 = Associated shared reservation-->
                    </HotelReservationIDs>
                </ResGlobalInfo>
            </HotelReservation>
        <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
            <UniqueID Type="14" ID="10107SY3743"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-10" ExpireDate="2008-05-15">
                                    <Base AmountAfterTax="0.00" CurrencyCode="USD"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="1"/>
                        <!-- code 10 = Adult-->
                    </GuestCounts>
                    <TimeSpan End="2008-05-15" Start="2008-05-10"/>
                    <Total AmountAfterTax="0.00" CurrencyCode="USD" />
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1">
                    <Profiles>
                        <ProfileInfo>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
                                <!--code 1 = Customer -->
                                <Customer>
                                    <PersonName>
                                        <NamePrefix>Mr</NamePrefix>
                                        <GivenName>Rene</GivenName>
                                        <Surname>Mathis</Surname>
                                    </PersonName>
                                </Customer>
                            </Profile>
                        </ProfileInfo>
```

```
                </Profiles>
              </ResGuest>
           </ResGuests>
           <ResGlobalInfo>
              <HotelReservationIDs>
                 <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
                 <!--code 14 = reservation-->
                 <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                 <!--code 27 = Associated shared reservation-->
                 <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                 <!--code 27 = Associated shared reservation-->
              </HotelReservationIDs>
           </ResGlobalInfo>
        </HotelReservation>
     </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
<!--
        Scenario 4: Breaking Shares

        Message b - Guest 1 cancels
        *Optional message.  To be sent if Explicit Cancel has been selected.
-->
```

```
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Cancel"
TimeStamp=" 2005-10-09T19:30:30">
     <POS>
        <Source>
           <RequestorID Type="22" ID="SynXis"/>
           <!-- code 22 = Electronic reservation service provider -->
           <BookingChannel Primary="1" Type="5">
              <!-- code 5 = Central Reservation system -->
              <CompanyName Code="UA">SynXis CRS</CompanyName>
           </BookingChannel>
        </Source>
     </POS>
     <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45" >
           <UniqueID Type="14" ID="10107SY3741"/>
           <!-- code 14 = Reservation -->
           <ResGlobalInfo>
              <HotelReservationIDs>
                 <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                 <!--code 14 = reservation-->
              </HotelReservationIDs>
           </ResGlobalInfo>
        </HotelReservation>
     </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
<!--
     Scenario 4: Breaking Shares
```

Message c: Guest 2 & 3 modify to break the share
-->

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Modify"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
            <UniqueID Type="14" ID="10107SY3742"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-11" ExpireDate="2008-05-15">
                                    <Base AmountAfterTax="45.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-15" ExpireDate="2008-05-16">
                                    <Base AmountAfterTax="90.00" CurrencyCode="USD"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="1"/>
                        <!-- code 10 = Adult-->
                    </GuestCounts>
                    <TimeSpan End="2008-05-16" Start="2008-05-11"/>
                    <Total AmountAfterTax="270.00" CurrencyCode="USD" />
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1">
                    <Profiles>
                        <ProfileInfo>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
                                <!--code 1 = Customer -->
```

```xml
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr</NamePrefix>
                            <GivenName>Felix</GivenName>
                            <Surname>Leiter</Surname>
                        </PersonName>
                    </Customer>
                </Profile>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
        <!--code 14 = reservation-->
        <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
        <!--code 27 = Associated shared reservation-->
    </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
    <UniqueID Type="14" ID="10107SY3743"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
        <RoomStay>
            <RoomRates>
                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-10" ExpireDate="2008-05-11">
                            <Base AmountAfterTax="90.00" CurrencyCode="USD"/>
                        </Rate>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-05-11" ExpireDate="2008-05-15">
                            <Base AmountAfterTax="45.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
                <GuestCount AgeQualifyingCode="10" Count="1"/>
                <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-05-15" Start="2008-05-10"/>
            <Total AmountAfterTax="270.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1">
            <Profiles>
                <ProfileInfo>
```

```xml
                        <!-- code 1 = Customer-->
                        <Profile ProfileType="1">
                            <!--code 1 = Customer -->
                            <Customer>
                                <PersonName>
                                    <NamePrefix>Mr</NamePrefix>
                                    <GivenName>Rene</GivenName>
                                    <Surname>Mathis</Surname>
                                </PersonName>
                            </Customer>
                        </Profile>
                    </ProfileInfo>
                </Profiles>
            </ResGuest>
        </ResGuests>
        <ResGlobalInfo>
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
                <!--code 14 = reservation-->
                <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                <!--code 27 = Associated shared reservation-->
            </HotelReservationIDs>
        </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2.5   Moving Sharers

```
<!-- aad
        Scenario 5: Moving Shares

        A shared guest changes rooms (changes who they will be sharing a room with)

        Guest 1 books a shared reservation with Guests 2 and 3, dividing the cost of a $120 room evenly between them.
        Guest 4 books a room.
        Guest 1 decides to stay with Guest 4 instead.

        Room price per night = $120

        Guest 1 arrives 2008-02-02 and departs on 2008-02-06
        Guest 2 arrives 2008-02-02 and departs on 2008-02-06
        Guest 3 arrives 2008-02-02 and departs on 2008-02-06
        Guest 4 arrives 2008-02-01 and departs on 2008-02-06

        1,2,3 divide room price evenly
        4 books reservation
        1,4 divide room evenly
        2,3 divide room evenly
        5a: 1,2,3 booked reservation
        5b: 4 books reservation
        5c. 1,2,3,4 modified reservation
```

Message A - 1,2,3 booked reservation
-->

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
      <Source>
         <RequestorID Type="22" ID="SynXis"/>
         <!-- code 22 = Electronic reservation service provider -->
         <BookingChannel Primary="1" Type="5">
            <!-- code 5 = Central Reservation system -->
            <CompanyName Code="UA">SynXis CRS</CompanyName>
         </BookingChannel>
      </Source>
    </POS>
    <HotelReservations>
     <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
        <UniqueID Type="14" ID="10107SY3741"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
            <RoomStay>
                <RoomRates>
                   <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                      <Rates>
                         <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                            <Base AmountAfterTax="40.00" CurrencyCode="USD"/>
                         </Rate>
                      </Rates>
                   </RoomRate>
                </RoomRates>
                <GuestCounts IsPerRoom="1">
                   <GuestCount AgeQualifyingCode="10" Count="1"/>
                </GuestCounts>
                <TimeSpan End="2008-02-07" Start="2008-02-02"/>
                <Total AmountAfterTax="200.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                   <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
        </RoomStays>
        <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                  <ProfileInfo>
                     <!-- code 1 = Customer-->
                     <Profile ProfileType="1">
                        <!--code 1 = Customer -->
                        <Customer>
                           <PersonName>
                              <NamePrefix>Mr</NamePrefix>
                              <GivenName>James</GivenName>
```

```xml
                        <MiddleName>Arthur</MiddleName>
                        <Surname>Bond</Surname>
                     </PersonName>
                  </Customer>
               </Profile>
            </ProfileInfo>
         </Profiles>
      </ResGuest>
   </ResGuests>
   <ResGlobalInfo>
      <HotelReservationIDs>
         <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
         <!--code 14 = reservation-->
         <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
         <!--code 27 = Associated shared reservation-->
         <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743" ForGuest="0"/>
         <!--code 27 = Associated shared reservation-->
      </HotelReservationIDs>
   </ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
   <UniqueID Type="14" ID="10107SY3742"/>
   <!-- code 14 = Reservation -->
   <RoomStays>
      <RoomStay>
         <RoomRates>
            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
               <Rates>
                  <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                     <Base AmountAfterTax="40.00" CurrencyCode="USD"/>
                  </Rate>
               </Rates>
            </RoomRate>
         </RoomRates>
         <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="1"/>
            <!-- code 10 = Adult-->
         </GuestCounts>
         <TimeSpan End="2008-02-07" Start="2008-02-02"/>
         <Total AmountAfterTax="200.00" CurrencyCode="USD" />
         <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
         <ResGuestRPHs>
            <ResGuestRPH RPH="1"/>
         </ResGuestRPHs>
      </RoomStay>
   </RoomStays>
   <ResGuests>
      <ResGuest ResGuestRPH="1">
         <Profiles>
            <ProfileInfo>
               <!-- code 1 = Customer-->
               <Profile ProfileType="1">
                  <!--code 1 = Customer -->
                  <Customer>
```

```xml
                            <PersonName>
                                <NamePrefix>Mr</NamePrefix>
                                <GivenName>Felix</GivenName>
                                <Surname>Leiter</Surname>
                            </PersonName>
                        </Customer>
                    </Profile>
                </ProfileInfo>
            </Profiles>
        </ResGuest>
    </ResGuests>
    <ResGlobalInfo>
        <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
            <!--code 14 = reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
        </HotelReservationIDs>
    </ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
    <UniqueID Type="14" ID="10107SY3743"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
        <RoomStay>
            <RoomRates>
                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                            <Base AmountAfterTax="40.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
                <GuestCount AgeQualifyingCode="10" Count="1"/>
                <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-02-07" Start="2008-02-02"/>
            <Total AmountAfterTax="200.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1">
            <Profiles>
                <ProfileInfo>
                    <!-- code 1 = Customer-->
                    <Profile ProfileType="1">
```

```xml
                        <!--code 1 = Customer -->
                        <Customer>
                            <PersonName>
                                <NamePrefix>Mr</NamePrefix>
                                <GivenName>Rene</GivenName>
                                <Surname>Mathis</Surname>
                            </PersonName>
                        </Customer>
                    </Profile>
                </ProfileInfo>
            </Profiles>
        </ResGuest>
    </ResGuests>
    <ResGlobalInfo>
        <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
            <!--code 14 = reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
        </HotelReservationIDs>
    </ResGlobalInfo>
    </HotelReservation>
    </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
<!--

        Scenario 5: Moving Shares

        Message B: 4 books reservation

-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
            <UniqueID Type="14" ID="10107SY3744"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
```

```xml
                    <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                        <Rates>
                            <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-01" ExpireDate="2008-02-07">
                                <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                            </Rate>
                        </Rates>
                    </RoomRate>
                </RoomRates>
                <GuestCounts IsPerRoom="1">
                    <GuestCount AgeQualifyingCode="10" Count="1"/>
                </GuestCounts>
                <TimeSpan End="2008-02-07" Start="2008-02-01"/>
                <Total AmountAfterTax="720.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                    <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
        </RoomStays>
        <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                    <ProfileInfo>
                        <!-- code 1 = Customer-->
                        <Profile ProfileType="1">
                            <!--code 1 = Customer -->
                            <Customer>
                                <PersonName>
                                    <NamePrefix>Sherriff</NamePrefix>
                                    <GivenName>J.</GivenName>
                                    <MiddleName>W.</MiddleName>
                                    <Surname>Pepper</Surname>
                                </PersonName>
                            </Customer>
                        </Profile>
                    </ProfileInfo>
                </Profiles>
            </ResGuest>
        </ResGuests>
        <ResGlobalInfo>
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3744" ForGuest="1"/>
                <!--code 14 = reservation-->
            </HotelReservationIDs>
        </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>


<!--
        Scenario 5: Moving Shares

        Message C. 1,2,3,4 modified reservation
```

-->

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Modify"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
        <UniqueID Type="14" ID="10107SY3741"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
            <RoomStay>
                <RoomRates>
                    <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                        <Rates>
                            <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                                <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                            </Rate>
                        </Rates>
                    </RoomRate>
                </RoomRates>
                <GuestCounts IsPerRoom="1">
                    <GuestCount AgeQualifyingCode="10" Count="1"/>
                </GuestCounts>
                <TimeSpan End="2008-02-02" Start="2008-02-07"/>
                <Total AmountAfterTax="300.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                    <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
        </RoomStays>
        <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                    <ProfileInfo>
                        <!-- code 1 = Customer-->
                        <Profile ProfileType="1">
                            <!--code 1 = Customer -->
                            <Customer>
                                <PersonName>
                                    <NamePrefix>Mr</NamePrefix>
                                    <GivenName>James</GivenName>
                                    <MiddleName>Arthur</MiddleName>
                                    <Surname>Bond</Surname>
```

```xml
                        </PersonName>
                     </Customer>
                  </Profile>
               </ProfileInfo>
            </Profiles>
         </ResGuest>
      </ResGuests>
      <ResGlobalInfo>
         <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
            <!--code 14 = reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3744" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
         </HotelReservationIDs>
      </ResGlobalInfo>
   </HotelReservation>
   <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
      <UniqueID Type="14" ID="10107SY3742"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
         <RoomStay>
            <RoomRates>
               <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                  <Rates>
                     <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                        <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                     </Rate>
                  </Rates>
               </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
               <GuestCount AgeQualifyingCode="10" Count="1"/>
               <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-02-02" Start="2008-02-07"/>
            <Total AmountAfterTax="300.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
               <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
         </RoomStay>
      </RoomStays>
      <ResGuests>
         <ResGuest ResGuestRPH="1">
            <Profiles>
               <ProfileInfo>
                  <!-- code 1 = Customer-->
                  <Profile ProfileType="1">
                     <!--code 1 = Customer -->
                     <Customer>
                        <PersonName>
                           <NamePrefix>Mr</NamePrefix>
                           <GivenName>Felix</GivenName>
                           <Surname>Leiter</Surname>
```

```xml
                            </PersonName>
                        </Customer>
                    </Profile>
                </ProfileInfo>
            </Profiles>
        </ResGuest>
    </ResGuests>
    <ResGlobalInfo>
        <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
            <!--code 14 = reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
        </HotelReservationIDs>
    </ResGlobalInfo>
</HotelReservation>
<HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
    <UniqueID Type="14" ID="10107SY3743"/>
    <!-- code 14 = Reservation -->
    <RoomStays>
        <RoomStay>
            <RoomRates>
                <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-02" ExpireDate="2008-02-07">
                            <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
                <GuestCount AgeQualifyingCode="10" Count="1"/>
                <!-- code 10 = Adult-->
            </GuestCounts>
            <TimeSpan End="2008-02-07" Start="2008-02-07"/>
            <Total AmountAfterTax="300.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
                <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
        </RoomStay>
    </RoomStays>
    <ResGuests>
        <ResGuest ResGuestRPH="1">
            <Profiles>
                <ProfileInfo>
                    <!-- code 1 = Customer-->
                    <Profile ProfileType="1">
                        <!--code 1 = Customer -->
                        <Customer>
                            <PersonName>
                                <NamePrefix>Mr</NamePrefix>
                                <GivenName>Rene</GivenName>
                                <Surname>Mathis</Surname>
```

```xml
                    </PersonName>
                  </Customer>
                </Profile>
              </ProfileInfo>
            </Profiles>
          </ResGuest>
      </ResGuests>
      <ResGlobalInfo>
         <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
            <!--code 14 = reservation-->
            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
            <!--code 27 = Associated shared reservation-->
         </HotelReservationIDs>
      </ResGlobalInfo>
   </HotelReservation>
      <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-
09T08:51:45">
      <UniqueID Type="14" ID="10107SY3744"/>
      <!-- code 14 = Reservation -->
      <RoomStays>
        <RoomStay>
          <RoomRates>
            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
               <Rates>
                  <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-01" ExpireDate="2008-02-07">
                     <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                  </Rate>
               </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts IsPerRoom="1">
            <GuestCount AgeQualifyingCode="10" Count="1"/>
          </GuestCounts>
          <TimeSpan End="2008-02-01" Start="2008-02-07"/>
          <Total AmountAfterTax="420.00" CurrencyCode="USD" />
          <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
          <ResGuestRPHs>
            <ResGuestRPH RPH="1"/>
          </ResGuestRPHs>
        </RoomStay>
      </RoomStays>
      <ResGuests>
        <ResGuest ResGuestRPH="1">
           <Profiles>
             <ProfileInfo>
               <!-- code 1 = Customer-->
               <Profile ProfileType="1">
                 <!--code 1 = Customer -->
                 <Customer>
                   <PersonName>
                      <NamePrefix>Sherriff</NamePrefix>
                      <GivenName>J.</GivenName>
                      <MiddleName>W.</MiddleName>
```

```xml
                       <Surname>Pepper</Surname>
                    </PersonName>
                 </Customer>
              </Profile>
           </ProfileInfo>
        </Profiles>
     </ResGuest>
   </ResGuests>
   <ResGlobalInfo>
      <HotelReservationIDs>
         <HotelReservationID ResID_Type="14" ResID_Value="10107SY3744" ForGuest="1"/>
         <!--code 14 = reservation-->
         <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
         <!--code 27 = Associated shared reservation-->
      </HotelReservationIDs>
   </ResGlobalInfo>
     </HotelReservation>
</HotelReservations>
</OTA_HotelResNotifRQ>
```

4.2.6   Breaking Shares

```
<!--

        Scenario 6: Breaking Shares

        A shared guest changes rooms (changes who they will be sharing a room with)

        Guest 1 books a shared reservation with Guests 2 and 3, dividing the cost of a $120 room evenly between them.
        Guest 1 cancels their reservation.

        Room price per night = $120

        Guest 1 arrives 2008-02-01 and departs on 2008-02-05
        Guest 2 arrives 2008-02-04 and departs on 2008-02-08
        Guest 3 arrives 2008-02-06 and departs on 2008-02-09

        6a: 1,2,3 booked reservation
        6b: 2 Cancels the reservation
        6c. 1,3 modify their reservations for separate rooms

        Message A: 1,2,3 booked reservation

-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
   <POS>
      <Source>
         <RequestorID Type="22" ID="SynXis"/>
         <!-- code 22 = Electronic reservation service provider -->
         <BookingChannel Primary="1" Type="5">
            <!-- code 5 = Central Reservation system -->
```

```xml
            <CompanyName Code="UA">SynXis CRS</CompanyName>
          </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
            <UniqueID Type="14" ID="10107SY3741"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-01" ExpireDate="2008-02-04">
                                    <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-04" ExpireDate="2008-02-05">
                                    <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="1"/>
                    </GuestCounts>
                    <TimeSpan End="2008-02-05" Start="2008-02-01"/>
                    <Total AmountAfterTax="420.00" CurrencyCode="USD" />
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1">
                    <Profiles>
                        <ProfileInfo>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
                                <!--code 1 = Customer -->
                                <Customer>
                                    <PersonName>
                                        <NamePrefix>Mr</NamePrefix>
                                        <GivenName>James</GivenName>
                                        <MiddleName>Arthur</MiddleName>
                                        <Surname>Bond</Surname>
                                    </PersonName>
                                </Customer>
                            </Profile>
                        </ProfileInfo>
                    </Profiles>
                </ResGuest>
            </ResGuests>
            <ResGlobalInfo>
```

```xml
                        <HotelReservationIDs>
                            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                            <!--code 14 = reservation-->
                            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
                            <!--code 27 = Associated shared reservation-->
                            <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743" ForGuest="0"/>
                            <!--code 27 = Associated shared reservation-->
                        </HotelReservationIDs>
                    </ResGlobalInfo>
            </HotelReservation>
        <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
            <UniqueID Type="14" ID="10107SY3742"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-04" ExpireDate="2008-02-05">
                                    <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-05" ExpireDate="2008-02-06">
                                    <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                                </Rate>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-06" ExpireDate="2008-02-08">
                                    <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="1"/>
                        <!-- code 10 = Adult-->
                    </GuestCounts>
                    <TimeSpan End="2008-02-08" Start="2008-02-04"/>
                    <Total AmountAfterTax="300.00" CurrencyCode="USD" />
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1">
                    <Profiles>
                        <ProfileInfo>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
                                <!--code 1 = Customer -->
                                <Customer>
                                    <PersonName>
                                        <NamePrefix>Mr</NamePrefix>
                                        <GivenName>Felix</GivenName>
                                        <Surname>Leiter</Surname>
```

```
                        </PersonName>
                      </Customer>
                    </Profile>
                  </ProfileInfo>
                </Profiles>
              </ResGuest>
            </ResGuests>
            <ResGlobalInfo>
                <HotelReservationIDs>
                    <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
                    <!--code 14 = reservation-->
                    <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
                    <!--code 27 = Associated shared reservation-->
                    <HotelReservationID ResID_Type="27" ResID_Value="10107SY3743`" ForGuest="0"/>
                    <!--code 27 = Associated shared reservation-->
                </HotelReservationIDs>
            </ResGlobalInfo>
        </HotelReservation>
        <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
          <UniqueID Type="14" ID="10107SY3743"/>
          <!-- code 14 = Reservation -->
          <RoomStays>
            <RoomStay>
                <RoomRates>
                  <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                    <Rates>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-06" ExpireDate="2008-02-08">
                          <Base AmountAfterTax="60.00" CurrencyCode="USD"/>
                        </Rate>
                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-08" ExpireDate="2008-02-09">
                          <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                        </Rate>
                    </Rates>
                  </RoomRate>
                </RoomRates>
                <GuestCounts IsPerRoom="1">
                  <GuestCount AgeQualifyingCode="10" Count="1"/>
                  <!-- code 10 = Adult-->
                </GuestCounts>
                <TimeSpan End="2008-02-09" Start="2008-02-06"/>
                <Total AmountAfterTax="240.00" CurrencyCode="USD" />
                <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                <ResGuestRPHs>
                  <ResGuestRPH RPH="1"/>
                </ResGuestRPHs>
            </RoomStay>
          </RoomStays>
          <ResGuests>
            <ResGuest ResGuestRPH="1">
                <Profiles>
                  <ProfileInfo>
                    <!-- code 1 = Customer-->
                    <Profile ProfileType="1">
                        <!--code 1 = Customer -->
```

```xml
                    <Customer>
                      <PersonName>
                        <NamePrefix>Mr</NamePrefix>
                        <GivenName>Rene</GivenName>
                        <Surname>Mathis</Surname>
                      </PersonName>
                    </Customer>
                  </Profile>
                </ProfileInfo>
              </Profiles>
            </ResGuest>
          </ResGuests>
          <ResGlobalInfo>
            <HotelReservationIDs>
              <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
              <!--code 14 = reservation-->
              <HotelReservationID ResID_Type="27" ResID_Value="10107SY3741" ForGuest="0"/>
              <!--code 27 = Associated shared reservation-->
              <HotelReservationID ResID_Type="27" ResID_Value="10107SY3742" ForGuest="0"/>
              <!--code 27 = Associated shared reservation-->
            </HotelReservationIDs>
          </ResGlobalInfo>
        </HotelReservation>
      </HotelReservations>
</OTA_HotelResNotifRQ>
```

```xml
<!--
        Scenario 6: Breaking Shares

        Message B: 2 Cancels the reservation (Optional Message – used for Explicit Cancel)
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Cancel"
TimeStamp=" 2005-10-09T19:30:30">
  <POS>
    <Source>
      <RequestorID Type="22" ID="SynXis"/>
      <!-- code 22 = Electronic reservation service provider -->
      <BookingChannel Primary="1" Type="5">
        <!-- code 5 = Central Reservation system -->
        <CompanyName Code="UA">SynXis CRS</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
      <UniqueID Type="14" ID="10107SY3742"/>
      <!-- code 14 = Reservation -->
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="14" ResID_Value="10107SY3742" ForGuest="1"/>
          <!--code 14 = reservation-->
```

```
            </HotelReservationIDs>
          </ResGlobalInfo>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
<!--
        Scenario 6: Breaking Shares

        Message C. 1,3 modify their reservations for separate rooms
-->
```

```
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Modify"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
      <Source>
        <RequestorID Type="22" ID="SynXis"/>
        <!-- code 22 = Electronic reservation service provider -->
        <BookingChannel Primary="1" Type="5">
          <!-- code 5 = Central Reservation system -->
          <CompanyName Code="UA">SynXis CRS</CompanyName>
        </BookingChannel>
      </Source>
    </POS>
    <HotelReservations>
      <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
        <UniqueID Type="14" ID="10107SY3741"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
          <RoomStay>
            <RoomRates>
              <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                <Rates>
                 <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-01" ExpireDate="2008-02-05">
                        <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                 </Rate>
                </Rates>
              </RoomRate>
            </RoomRates>
            <GuestCounts IsPerRoom="1">
              <GuestCount AgeQualifyingCode="10" Count="1"/>
            </GuestCounts>
            <TimeSpan End="2008-02-05" Start="2008-02-01"/>
            <Total AmountAfterTax="480.00" CurrencyCode="USD" />
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
              <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
          </RoomStay>
        </RoomStays>
        <ResGuests>
          <ResGuest ResGuestRPH="1">
```

```xml
                <Profiles>
                  <ProfileInfo>
                      <!-- code 1 = Customer-->
                      <Profile ProfileType="1">
                       <!--code 1 = Customer -->
                       <Customer>
                              <PersonName>
                                      <NamePrefix>Mr</NamePrefix>
                                      <GivenName>James</GivenName>
                                      <MiddleName>Arthur</MiddleName>
                                      <Surname>Bond</Surname>
                              </PersonName>
                       </Customer>
                      </Profile>
                  </ProfileInfo>
                </Profiles>
            </ResGuest>
         </ResGuests>
         <ResGlobalInfo>
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                <!--code 14 = reservation-->
            </HotelReservationIDs>
         </ResGlobalInfo>
     </HotelReservation>
     <HotelReservation CreateDateTime="2007-12-09T08:55:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:55:45">
        <UniqueID Type="14" ID="10107SY3743"/>
        <!-- code 14 = Reservation -->
        <RoomStays>
           <RoomStay>
              <RoomRates>
                 <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                     <Rates>
                      <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-02-06" ExpireDate="2008-02-09">
                            <Base AmountAfterTax="120.00" CurrencyCode="USD"/>
                      </Rate>
                     </Rates>
                 </RoomRate>
              </RoomRates>
              <GuestCounts IsPerRoom="1">
                 <GuestCount AgeQualifyingCode="10" Count="1"/>
                 <!-- code 10 = Adult-->
              </GuestCounts>
              <TimeSpan End="2008-02-09" Start="2008-02-06"/>
              <Total AmountAfterTax="360.00" CurrencyCode="USD" />
              <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
              <ResGuestRPHs>
                 <ResGuestRPH RPH="1"/>
              </ResGuestRPHs>
           </RoomStay>
        </RoomStays>
        <ResGuests>
           <ResGuest ResGuestRPH="1">
              <Profiles>
```

```xml
                <ProfileInfo>
                    <!-- code 1 = Customer-->
                    <Profile ProfileType="1">
                     <!--code 1 = Customer -->
                    <Customer>
                            <PersonName>
                                    <NamePrefix>Mr</NamePrefix>
                                    <GivenName>Rene</GivenName>
                                    <Surname>Mathis</Surname>
                            </PersonName>
                    </Customer>
                    </Profile>
                </ProfileInfo>
            </Profiles>
        </ResGuest>
    </ResGuests>
    <ResGlobalInfo>
        <HotelReservationIDs>
            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3743" ForGuest="1"/>
            <!--code 14 = reservation-->
        </HotelReservationIDs>
    </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.3   Use-Cases – Services

4.3.1   Simple Fixed Service

```xml
<!--
        Scenario 1: Simple Fixed Service

        Posted once per stay, price not included in room price.
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Book"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
            <UniqueID Type="14" ID="10107SY3741"/>
            <!-- code 14 = Reservation -->
```

```xml
        <RoomStays>
          <RoomStay>
            <RoomRates>
              <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                <Rates>
                  <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                    <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                  </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="2008-11-15" Start="2008-11-12"/>
            <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
              <GuaranteesAccepted>
                <GuaranteeAccepted>
                  <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                    <CardHolderName>James Bond</CardHolderName>
                  </PaymentCard>
                </GuaranteeAccepted>
              </GuaranteesAccepted>
              <GuaranteeDescription>
                <Text>Guarantee by cc</Text>
              </GuaranteeDescription>
            </Guarantee>
            <Total AmountAfterTax="300.00" CurrencyCode="USD"/>
            <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
            <ResGuestRPHs>
              <ResGuestRPH RPH="1"/>
            </ResGuestRPHs>
          </RoomStay>
        </RoomStays>
        <ResGuests>
          <ResGuest ResGuestRPH="1">
            <Profiles>
              <ProfileInfo>
                <!-- 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>
                                </Customer>
                            </Profile>
                        </ProfileInfo>
                    </Profiles>
                </ResGuest>
            </ResGuests>
            <ResGlobalInfo>
                <HotelReservationIDs>
                    <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                    <!--code 14 = reservation-->
                </HotelReservationIDs>
            </ResGlobalInfo>
            <Services>
                <Service ServicePricingType="1" ServiceInventoryCode="Champ" Inclusive="0" Quantity="1">
                    <!--PricingType = 1 per stay-->
                    <Price>
                        <Total CurrencyCode="USD" AmountAfterTax="24.00"/>
                    </Price>
                </Service>
            </Services>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.3.2   Fixed Service - Per Person/Per Night

```
<!--
        Scenario 2: Fixed Service - Per person per night

        Different price for adult and child,
        Service only for the first two days of stay
        price not included in room price.
-->
```

```
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Book"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
```

```xml
                    <!-- code 5 = Central Reservation system -->
                    <CompanyName Code="UA">SynXis CRS</CompanyName>
                </BookingChannel>
            </Source>
        </POS>
        <HotelReservations>
            <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-09T08:51:45">
                <UniqueID Type="14" ID="10107SY3741"/>
                <!-- code 14 = Reservation -->
                <RoomStays>
                    <RoomStay>
                        <RoomRates>
                            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                                <Rates>
                                    <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                                        <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                                    </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="2008-11-15" Start="2008-11-12"/>
                        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                            <GuaranteesAccepted>
                                <GuaranteeAccepted>
                                    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123" CardCode="VS">
                                        <CardHolderName>James Bond</CardHolderName>
                                    </PaymentCard>
                                </GuaranteeAccepted>
                            </GuaranteesAccepted>
                            <GuaranteeDescription>
                                <Text>Guarantee by cc</Text>
                            </GuaranteeDescription>
                        </Guarantee>
                        <Total AmountAfterTax="300.00" CurrencyCode="USD" />
                        <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                        <ResGuestRPHs>
                            <ResGuestRPH RPH="1"/>
                        </ResGuestRPHs>
                    </RoomStay>
                </RoomStays>
                <ResGuests>
                    <ResGuest ResGuestRPH="1">
                        <Profiles>
                            <ProfileInfo>
                                <!-- code 1 = Customer-->
                                <Profile ProfileType="1">
                                    <!--code 1 = Customer -->
                                    <Customer>
```

```xml
                                        <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>
                                </Customer>
                        </Profile>
                    </ProfileInfo>
                </Profiles>
            </ResGuest>
        </ResGuests>
        <ResGlobalInfo>
            <HotelReservationIDs>
                <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                <!--code 14 = reservation-->
            </HotelReservationIDs>
        </ResGlobalInfo>
        <Services>
            <Service ServicePricingType="3" ServiceInventoryCode="Snack" Inclusive="0" Quantity="1">
            <!--PricingType = 3 Per person per night $8.00 per adult -->
                <Price>
                    <Total CurrencyCode="USD" AmountAfterTax="16.00" />
                    <!-- Total price for 2 adults -->
                </Price>
                <ServiceDetails>
                    <GuestCounts>
                        <GuestCount AgeQualifyingCode="10" Count="2"/>
                    </GuestCounts>
                    <TimeSpan End="2008-11-13" Start="2008-11-12"/>
                </ServiceDetails>
            </Service>
            <Service ServicePricingType="3" ServiceInventoryCode="Snack" Inclusive="0" Quantity="1">
            <!--PricingType = 3 Per person per night $6.00 per child -->
                <Price>
                    <Total CurrencyCode="USD" AmountAfterTax="6.00" />
                </Price>
```

```xml
                    <ServiceDetails>
                        <GuestCounts>
                            <GuestCount AgeQualifyingCode="8" Count="1"/>
                        </GuestCounts>
                        <TimeSpan End="2008-11-13" Start="2008-11-12"/>
                    </ServiceDetails>
                </Service>
            </Services>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResNotifRQ>
```

4.4   Use-Cases – Reservation Pull Model

4.4.1   Pull Reservation Message with Successful Response

```xml
<!--
        Scenario 1: Pull Reservation Message with Successful Response:
                a)  System A sends an OTA_ReadRQ message to System B
                b)  System B responds with an OTA_ResRetrieveRS message.
                c)  System A loops through the HotelReservations node and successfully processes the HotelReservation.
                    System A then sends an OTA_NotifReportRQ for the successful reservation received.
                d)  System B responds with an OTA_NotifReportRS.

        Message a: System A sends an OTA_ReadRQ message to System B
-->
```

```xml
<OTA_HotelReadRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:30:47.0Z" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
<ReadRequests>
    <HotelReadRequest HotelCode="123" HotelName="Test Hotel" ChainCode="321">
        <SelectionCriteria SelectionType="Undelivered" />
    </HotelReadRequests>
</ReadRequests>
</OTA_HotelReadRQ>
```

```xml
<!--
        Message b: System B responds with an OTA_ResRetrieveRS message.
-->
```

```xml
<OTA_ResRetrieveRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1" TimeStamp="2007-03-29T09:30:58.0Z"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Success/>
    <Warnings Type="1">String</Warnings>
    <ReservationsList>
            <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-
09T08:51:45" ResStatus="Book">
                <UniqueID Type="14" ID="10107SY3741"/>
                <!-- code 14 = Reservation -->
                <RoomStays>
                    <RoomStay>
                        <RoomRates>
```

```xml
                        <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-
15">
                                    <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                                </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="2008-11-15" Start="2008-11-12"/>
                    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                        <GuaranteesAccepted>
                            <GuaranteeAccepted>
                                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123"
CardCode="VS">
                                    <CardHolderName>James Bond</CardHolderName>
                                </PaymentCard>
                            </GuaranteeAccepted>
                        </GuaranteesAccepted>
                        <GuaranteeDescription>
                            <Text>Guarantee by cc</Text>
                        </GuaranteeDescription>
                    </Guarantee>
                    <Total AmountAfterTax="300.00" CurrencyCode="USD"/>
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1" PrimaryIndicator="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>
                           </Profiles>
                     </ResGuest>
               </ResGuests>
               <ResGlobalInfo>
                     <HotelReservationIDs>
                           <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                           <!--code 14 = reservation-->
                     </HotelReservationIDs>
               </ResGlobalInfo>
         </HotelReservation>
</ReservationsList>
</OTA_ResRetreiveRS>
```

```
<!--
        Message c: System A loops through the HotelReservations node and processes each HotelReservation
                   System A then sends an OTA_NotifReportRQ for the reservations received.
-->
```

```
<OTA_NotifReportRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:51:45" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
   <Success/>
   <NotifDetails>
      <HotelNotifReport>
         <HotelReservations>
            <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-03-
29T09:51:45">
               <UniqueID Type="14" ID="10107SY3741"/>
               <!-- code 14 = Reservation -->
               <ResGlobalInfo>
                  <HotelReservationIDs>
                     <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
                     <!-- Res ID Type 10 = Hotel from OpenTravel Alliance code table UIT -->
                  </HotelReservationIDs>
               </ResGlobalInfo>
            </HotelReservations>
```

```
            </HotelReservations>
        </HotelNotifReport>
    </NotifDetails>
</OTA_NotifReportRQ>
```

```
<!--
        Message d: System B responds with an OTA_NotifReportRS
-->
```

```
<OTA_NotifReportRS xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:51:45" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
    <Success/>
</OTA_NotifReportRQ>
```

4.4.2   Pull Reservation Message with Error Response

```
<!--
        Scenario 2: Pull Reservation Message with Successful Response:
                a) System A sends an OTA_ReadRQ message to System B
                b) System B responds with an OTA_ResRetrieveRS message.
                c) System A loops through the HotelReservations node and is unable to processes the HotelReservation due to an incorrect Room Type.
                   System A then sends an OTA_NotifReportRQ with an error node.
                d) System B responds with an OTA_NotifReportRS.

        Message a: System A sends an OTA_ReadRQ message to System B
-->
```

```
<OTA_HotelReadRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:30:47.0Z" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
<ReadRequests>
    <HotelReadRequest HotelCode="123" HotelName="Test Hotel" ChainCode="321">
        <SelectionCriteria SelectionType="Undelivered" />
    </HotelReadRequests>
</ReadRequests>
</OTA_HotelReadRQ>
```

```
<!--
        Message b: System B responds with an OTA_ResRetrieveRS message.
-->
```

```
<OTA_ResRetrieveRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1" TimeStamp="2007-03-29T09:30:58.0Z"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Success/>
    <Warnings Type="1">String</Warnings>
    <ReservationsList>
            <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-
09T08:51:45" ResStatus="Book">
                <UniqueID Type="14" ID="10107SY3741"/>
                <!-- code 14 = Reservation -->
                <RoomStays>
                    <RoomStay>
                        <RoomRates>
```

```xml
                            <RoomRate RoomTypeCode="KST" RatePlanCode="RAC" NumberOfUnits="1">
                                <Rates>
                                    <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-
15">
                                        <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                                    </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="2008-11-15" Start="2008-11-12"/>
                        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                            <GuaranteesAccepted>
                                <GuaranteeAccepted>
                                    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123"
CardCode="VS">
                                        <CardHolderName>James Bond</CardHolderName>
                                    </PaymentCard>
                                </GuaranteeAccepted>
                            </GuaranteesAccepted>
                            <GuaranteeDescription>
                                <Text>Guarantee by cc</Text>
                            </GuaranteeDescription>
                        </Guarantee>
                        <Total AmountAfterTax="300.00" CurrencyCode="USD"/>
                        <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                        <ResGuestRPHs>
                            <ResGuestRPH RPH="1"/>
                        </ResGuestRPHs>
                    </RoomStay>
                </RoomStays>
                <ResGuests>
                    <ResGuest ResGuestRPH="1" PrimaryIndicator="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,  -->
```

```xml
                                                            <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>
                                            </Profiles>
                                        </ResGuest>
                                    </ResGuests>
                                    <ResGlobalInfo>
                                        <HotelReservationIDs>
                                            <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                                            <!--code 14 = reservation-->
                                        </HotelReservationIDs>
                                    </ResGlobalInfo>
                                </HotelReservation>
                            </ReservationsList>
</OTA_ResRetreiveRS>
```

```xml
<!--
        Message c: System A loops through the HotelReservations node and is unable to processes the HotelReservation due to an incorrect Room Type.
                    System A then sends an OTA_NotifReportRQ with an error node.
-->
```

```xml
<OTA_NotifReportRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:51:45" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
    <Errors>
        <Error Type="3" Code="402" />
    </Errors>
    <NotifDetails>
        <HotelNotifReport>
            <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-03-
29T09:51:45">
                <UniqueID Type="14" ID="10107SY3741"/>
                <!-- code 14 = Reservation -->
            </HotelReservations>
        </HotelNotifReport>
    </NotifDetails>
</OTA_NotifReportRQ>
```

```xml
<!--
```

Message d: System B responds with an OTA_NotifReportRS

```
-->
```

```xml
<OTA_NotifReportRS xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:51:45" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
    <Success/>
</OTA_NotifReportRQ>
```

4.4.3 Pull Reservation Message with No New Reservations Found

```
<!--
        Scenario 3: Pull Reservation Message with No New Reservations Found:
                a) System A sends an OTA_ReadRQ message to System B
                b) System B responds with an OTA_ResRetrieveRS message.
                c) No additional messages are required since there are no reservations to process.

        Message a: System A sends an OTA_ReadRQ message to System B
-->
```

```xml
<OTA_HotelReadRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2007-03-29T09:30:47.0Z" Version="1"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" >
<ReadRequests>
    <HotelReadRequest HotelCode="123" HotelName="Test Hotel" ChainCode="321">
        <SelectionCriteria SelectionType="Undelivered" />
    </HotelReadRequests>
</ReadRequests>
</OTA_HotelReadRQ>
```

```
<!--
        Message b: System B responds with an OTA_ResRetrieveRS message.
-->
```

```xml
<OTA_ResRetrieveRS xmlns="http://www.opentravel.org/OTA/2003/05" Version="1" TimeStamp="2007-03-29T09:30:58.0Z"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Success/>
    <Warnings Type="3" Type="284">No reservations found for search criteria</Warnings>
    <ReservationsList/>
</OTA_ResRetreiveRS>
```

```
<!--
        No follow up messages are needed since there are no reservations to process.
-->
```

Part 2   Availability, Version 2.2

Chapter 5   Acknowledgements

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Chapter 6   Document Information

6.1   Document Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles and Business Process for Availability Messages for Property Distribution based on the OpenTravel Alliance ("OTA") specifications published by this organization.

6.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for Availability.

6.3   Audience

This document is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

6.4   Overview

The messages in the OpenTravel Alliance specification cover a large number of optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

A Note on Min/Max LOS

The method listed in the recommendations is the most basic method of passing Min/Max length of stay and therefore it should be the recommended way. Full LOS patterns can be sent via the OpenTravel Alliance message and upon agreement between the implementing partners this method could be the one used instead of the recommended one.

6.5   Terminology

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

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance

Term	Definition
XML	Extensible Markup Language – This is a general-purpose markup language for creating special- purpose markup languages, capable of describing different kinds of data.

6.6   Referenced Documents

This document depends upon the following documents:

The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

6.7   Assumptions and Dependencies

It is assumed the usage profiles 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 usage profiles
3. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release

6.8   Document History

Version	Date	Author	Comments
1.0.0	27 Dec 2005	Juan Gasparini	First draft posted for workgroup review
1.0.1	13 Feb 2006	Juan Gasparini	All/Editorial changes from workgroup review
2.0.0	20 July 2007	Kevin Smith	Revised draft for inclusion of BAR – posted for Workgroup review
2.0.1	07 Oct 1007	Kevin Smith	Re-draft of TaxInclusive change
2.0.2	11 Nov 2007	Martin Kirk	Reformat to HTNG House Style
2.0.3	12 Nov 2007	Martin Kirk	Minor corrections
2.2.0	20 Jul 2009	Lew J. Harasymiw	Changes to implementation of RestrictionStatus from previous version; updates to use cases

Chapter 7   Business Process

This chapter defines minimum requirements and expected behavior of a participating system to assist in the partner certification exercise.

7.1   Overview

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

The intent of the HTNG usage profiles 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 usage profile, including TPA extensions as per the OpenTravel Alliance specifications schema.

7.2   Behavior

The process being facilitated is that of updating availability and/or inventory and/or restrictions from System A to System B (where system A is generally, but not exclusively, a PMS and system B is generally, but not exclusively, a CRS).

Based on the type of information that needs to be exchanged, System A will select the appropriate usage profile and fill in the XML according to the guidelines provided in the specific profile.

System A will then send the XML to the appropriate webservice set up by System B. System B will respond using the correct response for the selected profile. System A will log the response received from System B.

7.2.1   Behavior Expected Prior to Transmission

The behavior expected from System A will be:

  Usage of the appropriate profile for the type of information to be sent

  Translation of availability information into codes understood by System B (if required)

  Provision of all fields classed as Mandatory in the profile

  Validation of XML message format

  Transmission of the XML to appropriate URL set up by System B using the appropriate identification criteria (soap user and password provided by System B)

Behavior Expected Upon Receipt of Response Message from Recipient

Once the XML has been processed by System B, System A will need to:

  Keep a log of the response message transmitted back by System B

  Be able to evaluate error responses coming from System B

React to error responses as needed: by modifying the XML and/or ensuring correct mapping tables are used

7.2.2 Behavior Expected from Recipient System

Upon receipt of the XML message the behavior expected from System B will be:

Process XML received by System A

Update of hotel data with availability and/or inventory and/or restriction information contained in the XML sent by System A

If update is not possible: create an error response as defined in the profile and transmit the response to System A

Acknowledge successful/unsuccessful processing of the upload using the appropriate response message

Chapter 8   Usage Profiles

8.1   Update Availability

The update availability usage profile covers the pushing of availability settings from one system that defines them or provides a user an interface to define them or receives them from another system to another system with the ability to book or change a reservation.

8.1.1   Scope

This usage profile includes any availability settings that can be pushed from one system to another.

It does not include polling availability settings.

8.1.2   Update Room Type Availability Request

The update room type availability request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For room type availability this should be set to 1.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	

Element | @Attribute	Num	Description/Contents
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@InvTypeCode	1	This is the room type code for which the update is being sent.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
@BookingLimit	0..1	This is the maximum number of rooms for the InvTypeCode sent that can be booked. Although all restrictions are Optional, at least one should be sent for the message to have any meaning.
@BookingLimitMessageType	0..1	Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust, or delete the booking limit (SetLimit, AdjustLimit, RemoveLimit).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no BookingLimit or Length of Stay restriction is sent, then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status.
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction.
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.

Element | @Attribute	Num	Description/Contents
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
@Time, @TimeUnit	0..1	If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	
@FullPatternLOS	0..1	This is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following ROOM TYPE availability update to CRS "123"
Hotel Code: HXCAIZZ
Start date: Jan 1st 2006
End date: Jan 14th 2006
Change applies to DOW: FRI-SAT-SUN
Room Type: A1K
Number allotted: 10
Status: On Request
Min LOS: 2

```
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938383" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="1">
    <!-- MessageContentCode=1 for Room Type Availability-->
    <AvailStatusMessages HotelCode="HXCAIZZ">h
      <AvailStatusMessage BookingLimit="10" BookingLimitMessageType="SetLimit">
        <StatusApplicationControl Start="2006-01-01" End="2006-01-14" InvTypeCode="A1K" Mon="0" Tue="0" Weds="0" Thur="0" Fri="1" Sat="1"
Sun="1">
        </StatusApplicationControl>
```

```
            <LengthsOfStay>
                <LengthOfStay MinMaxMessageType="SetMinLOS" Time="2" TimeUnit="Day">
                </LengthOfStay>
            </LengthsOfStay>
            <UniqueID Type="16" ID="1"></UniqueID>
            <RestrictionStatus Restriction="Master" Status="OnRequest" />
        </AvailStatusMessage>
    </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.3   Update Rate Availability Request

The update rate availability request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC. For rate availability this should be set to 2.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.

Element | @Attribute	Num	Description/Contents
@Mon,@Tue,@Weds, @Thur,@Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@RatePlanCategory	0..1	This is the Category or segment to which the rate whose availability is being updated belongs.
@RatePlanCode	1	This is the rate plan whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
@BookingLimit	0..1	This is the maximum number of rooms for the RatePlanCode sent that can be booked.
@BookingLimitMessageType	0..1	Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust, or delete the booking limit (SetLimit, AdjustLimit, RemoveLimit).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no BookingLimit or Length of Stay restriction is sent, then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status. If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following RATE availability update to CRS "123"
Hotel Code: HXCAIZZ
Start date: Jan 1st 2006
End date: Jan 10th 2006
Change applies to DOW: SAT-SUN-MON
Rate segment: C
Rate Plan: CR
Number allotted: 15
Status: Open

```
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938384" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="2">
<!-- MessageContentCode=2 for Rate Availability-->
   <AvailStatusMessages HotelCode="HXCAIZZ">
      <AvailStatusMessage BookingLimit="15" BookingLimitMessageType="SetLimit">
         <StatusApplicationControl Start="2006-01-01" End ="2006-01-10" RatePlanCategory="C" RatePlanCode="CR" Mon="1" Tue="0" Weds="0"
Thur="0" Fri="0" Sat="1" Sun="1">
         </StatusApplicationControl>
         <UniqueID Type="16" ID="1"></UniqueID>
         <RestrictionStatus Restriction="Master" Status="Open"/>
      </AvailStatusMessage>
   </AvailStatusMessages>
```

```
</OTA_HotelAvailNotifRQ>
```

8.1.4   Update Room/Rate Availability Request

The update room/rate availability request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For room rate availability this should be set to 3.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds, @Thur,@Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@RatePlanCode	1	This is the rate plan whose availability is being updated.
@InvTypeCode	1	This is the Room Type which makes up the room/rate combination for which availability is being updated.

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
@BookingLimit	0..1	This is the maximum number of rooms for the room/rate combination that can be booked. If no Status or LengthOfStay restriction is sent, then the BookingLimit field must be sent for the message to have any meaning. So, for each Room/rate combination, at least one restriction between BookingLimit, Status, and LengthOfStay must be sent.
@BookingLimitMessageType	0..1	Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust, or delete the booking limit (SetLimit, AdjustLimit, RemoveLimit).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no BookingLimit or LengthOfStay restriction is sent, then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status. If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.

Element | @Attribute	Num	Description/Contents
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following ROOM/RATE availability update to CRS "123"
Hotel Code: HXCAIZZ
Start date: Jan 1st 2006
End date: Jan 7th 2006
Change applies to DOW: MON TO FRI
Rate Plan: CR
Room Type :   A1K
Number allotted: 5
Status: Open
Min LOS: 2

```xml
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938386" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="3">
   <!-- MessageContentCode=3 for Room/Rate Availability-->
   <AvailStatusMessages HotelCode="HXCAIZZ">
      <AvailStatusMessage BookingLimit="5" BookingLimitMessageType="SetLimit">
         <StatusApplicationControl Start="2006-01-01" End="2006-01-07" InvTypeCode="A1K" RatePlanCode="CR" Mon="1" Tue="1" Weds="1" Thur="1"
Fri="1" Sat="0" Sun="0">
         </StatusApplicationControl>
         <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="SetMinLOS" Time="2" TimeUnit="Day">
               </LengthOfStay>
         </LengthsOfStay>
         <UniqueID Type="16" ID="1"/>
         <RestrictionStatus Restriction="Master" Status="Open"/>
      </AvailStatusMessage>
   </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.5   Update Segment Availability Request

A Segment is also known as a Rate Group or a Rate Category. This request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For segment availability this should be set to 4.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@RatePlanCategory	0..1	This is the Category or segment for which availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
@BookingLimit	0..1	This is the maximum number of rooms for the RatePlanCategory that can be booked. If no Status or LengthOfStay restriction is sent, then the BookingLimit field must be sent for the message to have any meaning. So, for each RatePlanCategory, at least one restriction between BookingLimit, Status, and LengthOfStay must be sent.

Element | @Attribute	Num	Description/Contents
@BookingLimitMessageType	0..1	Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust, or delete the booking limit (SetLimit, AdjustLimit, RemoveLimit).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no BookingLimit or LengthOfStay restriction is sent, then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status.
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	

Element | @Attribute	Num	Description/Contents
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following Segment/Category availability update to CRS "123"
Hotel Code: HXCAIZZ
Start date: Jan 1st 2006
End date: Jan 7th 2006
Change applies to DOW: SUN-MON
Rate segment: P
Number allotted: 12
Status: Open
Min LOS: 3

```xml
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938385" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="4">
<!-- MessageContentCode=4 for Segment Availability-->
   <AvailStatusMessages HotelCode="HXCAIZZ">
      <AvailStatusMessage BookingLimit="12" BookingLimitMessageType="SetLimit">
         <StatusApplicationControl Start="2006-01-01" End="2006-01-07" RatePlanCategory="P" Mon="1" Tue="0" Weds="0" Thur="0" Fri="0" Sat="0"
Sun="1">
         </StatusApplicationControl>
         <LengthsOfStay>
            <LengthOfStay MinMaxMessageType="SetMinLOS" Time="3" TimeUnit="Day">
            </LengthOfStay>
         </LengthsOfStay>
         <UniqueID Type="16" ID="1"/>
         <RestrictionStatus Restriction="Master" Status="Open"/>
      </AvailStatusMessage>
   </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.6   Update Segment/Room Availability Request

The update segment/room availability request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.

Element | @Attribute	Num	Description/Contents
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For segment room availability this should be set to 5.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds,@Thur,@Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@RatePlanCategory	0..1	This is the Segment to which the room type being updated belongs.
@ InvTypeCode	1	This is the Room Type which makes up the room/rate combination for which availability is being updated.
@InvCodeApplication	1	This clarifies whether the InvTypeCode is an actual room type code OR a room grouping (for instance, a room group such as "deluxe" which includes multiple room types). The only two enumerations allowed would be InvCode for room type and InvGroupingCode for a room group. Partners will need to agree upon implementation whether the room grouping is supported by both.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.

Element | @Attribute	Num	Description/Contents
@BookingLimit	0..1	This is the maximum number of rooms for the room/rate combination that can be booked. If no Status or LengthOfStay restriction is sent, then the BookingLimit field must be sent for the message to have any meaning. So, for each Room/rate combination, at least one restriction between BookingLimit, Status, and LengthOfStay must be sent.
@BookingLimitMessageType	0..1	Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust, or delete the booking limit (SetLimit, AdjustLimit, RemoveLimit).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no BookingLimit or LengthOfStay restriction is sent, then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status. If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following Segment/Room availability update to CRS "123"
Hotel Code: HXCAIZZ
Rate Segment: C
Room Type: A1K
Date / FPLOS: Jan 1st 2006 / YYNNNYY
Date / FPLOS: Jan 2nd 2006 / YNNNYYY
Date / FPLOS: Jan 3rd 2006 / NNNYYYY

```xml
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938387" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="5">
   <!-- MessageContentCode=5 for Segment/Room Availability-->
   <AvailStatusMessages HotelCode="HXCAIZZ">
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-01" End="2006-01-01" InvTypeCode="A1K" RatePlanCategory="C">
         </StatusApplicationControl>
         <LengthsOfStay FixedPatternLength="7">
            <LengthOfStay MinMaxMessageType="FullPatternLOS">
               <LOS_Pattern FullPatternLOS="YYNNNYY"></LOS_Pattern>
            </LengthOfStay>
         </LengthsOfStay>
         <UniqueID Type="16" ID="1"/>
      </AvailStatusMessage>
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-02" End="2006-01-02" InvTypeCode="A1K" RatePlanCategory="C">
         </StatusApplicationControl>
         <LengthsOfStay FixedPatternLength="7">
            <LengthOfStay MinMaxMessageType="FullPatternLOS">
               <LOS_Pattern FullPatternLOS="YNNNYYY"></LOS_Pattern>
            </LengthOfStay>
         </LengthsOfStay>
         <UniqueID Type="16" ID="2"/>
      </AvailStatusMessage>
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-03" End="2006-01-03" InvTypeCode="A1K" RatePlanCategory="C">
         </StatusApplicationControl>
```

```
            <LengthsOfStay FixedPatternLength="7">
                <LengthOfStay MinMaxMessageType="FullPatternLOS">
                    <LOS_Pattern FullPatternLOS="NNNYYYY"></LOS_Pattern>
                </LengthOfStay>
            </LengthsOfStay>
            <UniqueID Type="16" ID="3"/>
        </AvailStatusMessage>
    </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.7   Update House Availability Request

The update house availability request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For house availability this should be set to 6.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	A unique incremental number for each availability message that identifies that specific message.

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / RestrictionStatus	0..1	Optional. If no other restriction is sent (Departure restriction, min LOS), then the Status field must be sent for the message to be meaningful.
@Restriction	1	Enumeration; possible values ="Master," "Arrival," "Departure." Works in conjunction with @Status.
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Status	1	Enumeration; possible values ="Open", "Close", "OnRequest". Works in conjunction with @Restriction
		If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An unsupported enumeration would be ignored by the receiving system; therefore, the type of status messages must be agreed upon implementation between the two partners.
@Restriction	0..1	Optional. If no other restriction is sent (Status, min LOS), then the Restriction field must be sent.
		In the OpenTravel Alliance message the following enumerations are possible: Master, Arrival, Departure, NonGuarantee, and TravelAgent. However, the HTNG recommendation should be that only Departure and Arrival are used as they are the only ones that are meaningful.
		If one of the partners implementing the message does not support one of the two Recommended enumerations, the unsupported enumeration would be ignored by the receiving system. For instance, if the transmitting system supports both arrival and departure restriction (for this type of message) but the recipient only supports departure restrictions, then the arrival restrictions would be ignored. Partners would need to agree on this during implementation.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	Optional. If no BookingLimit or Status restriction is sent, then the LengthsOfStay field must be sent with some LOS restrictions in order for the message to be meaningful.
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay / LOS_Pattern	0..1	
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to open the odd LOS (LOS1, LOS3, LOS5, and LOS7) and close the even LOS (LOS2, LOS4, and LOS6) then the string would be "YNYNYNY".

Example Message

Scenario:
PMS "ABC" needs to transmit the following HOUSE availability update to CRS "123"
Hotel Code: HXCAIZZ
Date / Authorized Capacity: Jan 1st 2006 / 350
Date / Authorized Capacity: Jan 2nd 2006 / 348
Date / Authorized Capacity: Jan 3rd 2006 / 354

```xml
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938388" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="6">
    <!-- MessageContentCode=6 for House Availability-->
    <AvailStatusMessages HotelCode="HXCAIZZ">
        <AvailStatusMessage BookingLimit="350" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2006-01-01" End="2006-01-01">
            </StatusApplicationControl>
            <UniqueID Type="16" ID="1"/>
        </AvailStatusMessage>
        <AvailStatusMessage BookingLimit="348" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2006-01-02" End="2006-01-02">
            </StatusApplicationControl>
            <UniqueID Type="16" ID="2"/>
        </AvailStatusMessage>
        <AvailStatusMessage BookingLimit="354" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2006-01-03" End="2006-01-03">
            </StatusApplicationControl>
```

```
        <UniqueID Type="16" ID="3"/>
     </AvailStatusMessage>
   </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.8   Update Hurdle Rates Request

The update hurdle rates request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For hurdle rate update this should be set to 7.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1	Must be sent for the message to have a meaning.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage	0..n	Optional. Although all restrictions are Optional, at least one should be sent for the message to have any meaning. Upper limit to be defined by trading partners.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Type refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	ID is a unique incremental number for each availability message that identifies that specific message.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.

Element | @Attribute	Num	Description/Contents
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds, @Thur,@Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / HurdleRate	1	
@Amount	1	This is the Hurdle rate the user wishes to set for the season sent.
@CurrencyCode	0..1	Currency of delta adjustment using ISO 4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / Delta	0..1	Incremental adjustment to the hurdle rate. Included if supported by trading partners.
@Amount	0..1	Amount of delta adjustment.
@CurrencyCode	0..1	Currency of delta adjustment using ISO 4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
@Ceiling, @MaxSold	0..1	Limits on the application of the Delta.
@InvTypeCode	0..1	This is the Room Type for which the Hurdle rate is sent (if sent on a room type by room type basis).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay	0..1	If sending Hurdle Rate by Arrival Date and Length of Stay this element would be sent.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / LengthsOfStay / LengthOfStay	0..n	Conditionally Mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@Time, @TimeUnit	0..1	Conditionally Required. If LengthsOfStay element included because sending Hurdle Rate by Arrival Date and Length of Stay then TimeUnit is set to 'Day' and Time is set to the corresponding Length of Stay; e.g., 1, 2, 3, etc.

Example Message

Scenario:
RMS "DEF" needs to transmit the following Hurdle rate update to CRS "123"
Hotel Code: HXCAIZZ
Date / Hurdle Rate: Jan 1st 2006 / € 100.00
Date / Hurdle Rate: Jan 2nd 2006 / € 123.00
Date / Hurdle Rate: Jan 3rd 2006 / € 98.00

```xml
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938389" TimeStamp="2005-08-01T09:30:47-05:00" MessageContentCode="7">
   <!-- MessageContentCode=7 for Hurdle Rate Update -->
   <AvailStatusMessages HotelCode="HXCAIZZ">
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-01" End="2006-01-01">
         </StatusApplicationControl>
         <HurdleRate Amount="100.00" CurrencyCode="EUR"/>
         <UniqueID Type="16" ID="1"/>
      </AvailStatusMessage>
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-02" End="2006-01-02">
         </StatusApplicationControl>
         <HurdleRate Amount="123.00" CurrencyCode="EUR"/>
         <UniqueID Type="16" ID="2"/>
      </AvailStatusMessage>
      <AvailStatusMessage>
         <StatusApplicationControl Start="2006-01-03" End="2006-01-03">
         </StatusApplicationControl>
         <HurdleRate Amount="98.00" CurrencyCode="EUR"/>
         <UniqueID Type="16" ID="3"/>
      </AvailStatusMessage>
   </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.9   Update Best Available Rates Request

The update best available rates request is sent using the OTA_HotelAvailNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	0..1	Optional.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TransactionIdentifier	0..1	Optional. If the availability update is the result of a reservation upload, the reservation number should be indicated in this field.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate. For Best Available Rate update this should be set to 11.
OTA_HotelAvailNotifRQ / AvailStatusMessages	1 .. n	At least one message must be sent. The upper limit to be defined by trading partners.

Element | @Attribute	Num	Description/Contents
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl	1	Element defining application of controls being sent.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@Mon,@Tue,@Weds, @Thur,@Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent, they must all be sent.
@InvTypeCode	0..1	This is the Room Type for which the BAR decision is sent (if sent on a room type by room type basis).
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / BestAvailableRates / BestAvailableRate	1..n	This element is normally repeated for each length of stay. The maximum length of stay "n" is to be agreed by trading partners, though normally it is 8. In cases where a single BAR value is applicable for all length of stays, the element is sent once.
@RatePlanCode	1	This is the code identifying the best available rate.
@LengthOfStayTime	1	Length of stay. This is normally a number from 1 to "n" (defined above). In cases where a single BAR value is applicable for all length of stays, the value is zero.
@Amount	0..1	Value of the best available rate. Sent to validate the RatePlanCode. The BAR amount to be used by the Reservation system for any LOS, that is greater than the agreed maximum, will be the same value given for the maximum length of stay "n". Amount is a basic value and refers to the general charge of the Rate plan. It is not expected to convey differing values based on the number of Adults and/or Children occupying a room. If required, the trading partners may agree the implementation of a more granular level of rate value using the OTA_HotelRateAmountNotifRQ message.
@CurrencyCode	0..1	Currency of delta adjustment using ISO 4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
@TaxInclusive	0..1	Boolean Flag indicating whether the amount sent as Best Available Rate includes Tax or not. In the event of there needing to be more detailed information, it will be sent using the OpenTravel Alliance Rate Plan messages previously adopted.
OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / UniqueID	1	
@Type	1	Type refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	ID is a unique incremental number for each availability message that identifies that specific message.

Example Message

Scenario:
RMS "DEF" needs to transmit the following Best Available Rate pricing control by Length of Stay to CRS "123" for guests looking to book reservations arriving on either the 6th, the 7th or the 8th of June 2007.

```
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd" TimeStamp="2007-06-05T06:39:09" Version="2.001"
MessageContentCode="11">
   <!-- MessageContentCode=11 for Best Available Rate Update -->
   <AvailStatusMessages HotelCode="1699-0001">
        <AvailStatusMessage>
            <StatusApplicationControl Start="2007-06-06" End="2007-06-06"/>
            <BestAvailableRates>
                <BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="1" Amount="100.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="2" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR140" LengthOfStayTime="3" Amount="140.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="4" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR180" LengthOfStayTime="5" Amount="180.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="6" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="7" Amount="100.00"/>
<BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="8" Amount="100.00"/>
            </BestAvailableRates>
            <UniqueID Type="16" ID="1 ">
            </UniqueID>
        </AvailStatusMessage>
<AvailStatusMessage>
            <StatusApplicationControl Start="2007-06-07" End="2007-06-07"/>
            <BestAvailableRates>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="1" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR140" LengthOfStayTime="2" Amount="140.00"/>
                <BestAvailableRate  RatePlanCode="BAR180" LengthOfStayTime="3" Amount="180.00"/>
                <BestAvailableRate  RatePlanCode="BAR180" LengthOfStayTime="4" Amount="180.00"/>
                <BestAvailableRate  RatePlanCode="BAR180" LengthOfStayTime="5" Amount="180.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="6" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="7" Amount="100.00"/>
                <BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="8" Amount="100.00"/>
            </BestAvailableRates>
            <UniqueID Type="16" ID="2">
            </UniqueID>
        </AvailStatusMessage>
<AvailStatusMessage>
            <StatusApplicationControl Start="2007-06-08" End="2007-06-08"/>
            <BestAvailableRates>
                <BestAvailableRate  RatePlanCode="BAR140" LengthOfStayTime="1" Amount="140.00"/>
                <BestAvailableRate  RatePlanCode="BAR160" LengthOfStayTime="2" Amount="160.00"/>
                <BestAvailableRate  RatePlanCode="BAR160" LengthOfStayTime="3" Amount="160.00"/>
                <BestAvailableRate  RatePlanCode="BAR140" LengthOfStayTime="4" Amount="140.00"/>
                <BestAvailableRate  RatePlanCode="BAR160" LengthOfStayTime="5" Amount="160.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="6" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR120" LengthOfStayTime="7" Amount="120.00"/>
                <BestAvailableRate  RatePlanCode="BAR100" LengthOfStayTime="8" Amount="100.00"/>
            </BestAvailableRates>
            <UniqueID Type="16" ID="3">
```

```
        </UniqueID>
      </AvailStatusMessage>
    </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.1.10   Update Availability Response

The update response for any of the requests defined above is sent using the OTA_HotelAvailNotifRS message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@TimeStamp	1	Time of the transaction.
@MessageContentCode	1	The attribute refers to OpenTravel Alliance code list MCC which includes RateAvail, RoomAvail, RoomRateAvail, SegmentAvail, SegmentRoomAvail, HouseAvail, and HurdleRateUpdate.
OTA_HotelAvailNotifRS / Success	1	This is the annotation that the availability status message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelAvailNotifRS / Warnings	0..1	Optional.
OTA_HotelAvailNotifRS / Warnings / Warning	1..99	Mandatory.
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelAvailNotifRS / Errors	0..1	Optional.
OTA_HotelAvailNotifRS / Errors / Error	1..99	Mandatory.
@Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

Example Message

Scenario:
Assume the example hurdle rate update request message from RMS "DEF" to CRS "123" shown in the previous section was re-sent the next day, on January 2nd 2006, due to some internal malfunction where the RMS did not mark the update as processed. This resulted in the first message trying to update the hurdle rate for a past date, January 01, 2006. Assume also that RMS "DEF" and CRS "123" have identified this error condition as a warning and agreed it should not stop processing but return a warning element so technical support at RMS "DEF" can look at the situation and ensure there are no major issues with the interface. In this case, the response message from CRS "123" to RMS "DEF" would look as shown below. Notice attribute RecordId in the warning element matches the value of UniqueId for the element causing the warning in the request message.

```
<OTA_HotelAvailNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRS.xsd" Version="1.001" EchoToken="54638383"
TransactionIdentifier="938389" TimeStamp="2006-01-02T09:30:47-05:00">
<Success/>
<Warnings>
   <Warning Type="3" Code="458" RecordID="1">
   <!-- Type 3 => Business Rule, Code 458 => Date Outside Inventory Period -->
   </Warning>
</Warnings>
</OTA_HotelAvailNotifRS>
```

8.2   Availability Get

8.2.1   Overview

The Hotel Availability Get message pair provides the ability for a booking source to request availability status from a specified hotel property(s). The request message allows the booking source to resynchronize availability due to a system outage or if a hotel property is behind a restrictive firewall, the need to request availability is necessary.

The Hotel Availability Get request message allows a booking source to filter another system for detailed availability. The request message can be minimally limited to an individual property or a collection of properties for a specified date range or it can further specify a rate plan(s), room type(s), rate plan/room type combinations, restrictions and revenue management qualifiers.

Based on the criteria specified in the request message, the response message contains the set of availability controls. The Hotel Availability Get response message is similar to the Hotel Availability Notify response in that it contains a complex set of controls that indicate whether the hotel has available inventory which may have surrounding rules for booking a reservation.

8.2.2   Behavior

The process being facilitated is that of requesting availability and/or inventory and/or restrictions from System A to System B (where system A is generally, but not exclusively, a CRS and system B is generally, but not exclusively, a PMS).

Based on the type of information that needs to be exchanged, System A will select the appropriate usage profile and fill in the XML according to the guidelines provided in the specific profile.

System A will then send the XML to the appropriate webservice set up by System B. System B will respond using the correct response for the selected profile. System A will log the response received from System B.

Behavior expected prior to Transmission
The behavior expected from System A will be:
• Usage of the appropriate profile for the type of information to be sent
• Translation of availability information into codes understood by System B (if required)
• Provision of all fields classed as mandatory in the profile
• Validation of XML message format
• Transmission of the XML to appropriate URL set up by System B using the appropriate identification criteria (soap user and password provided by System B)

Behavior expected upon receipt of response message from Recipient
Once the XML has been processed by System B, System A will need to:
• Keep a log of the response message transmitted back by System B
• Be able to evaluate error responses coming from System B
• React to error responses as need: by modifying the XML and/or ensuring correct mapping tables are used

Behavior expected from Recipient System
Upon receipt of the XML message the behavior expected from System B will be:
• Process XML received by System A
• Return hotel availability data and/or inventory and/or restriction information contained in the XML requested by System A
• If it is not possible to process the message: create an error response as defined in the profile and transmit the response to System A
• Acknowledge successful/unsuccessful processing of the request using the appropriate response message

8.2.3   Availability Get Request

OTA_HotelAvailGetRQ

Usage Profile Table

Element |@Attribute	Num	Description/Contents
OTA_HotelAvailGetRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Timestamp of the transaction.
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message
OTA_HotelAvailGetRQ/POS/Source	1	Optional. This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
OTA_HotelAvailGetRQ/POS/Source/RequestorID	1	The system sending the request message. An identifier of the entity making the request (e.g. ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@Id	1	ID is used for the name or ID of the requestor. For example, Passkey.
OTA_HotelAvailGetRQ/H	1	Container for the individual HotelAvailRequests(s).

Element |@Attribute	Num	Description/Contents
otelAvailRequests		
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest	1	Provides the criteria to specify availability details to return. The criteria can include date ranges, room and products, rate plans, hurdle rate, etc. Optional. Although at least one should be sent for the message to be meaningful. Criteria and upper limit to be defined by trading partners.
@ SendBookingLimit	0..1	Sending system requesting the booking limit to be returned.
@ BookingLimitMessageType	0..1	Sending system requesting the booking limit of a particular type to be returned.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/DateRange	1	A date or range of dates for the request criteria.
@Start, @End, @Duration	1	The first and last dates for which the availability request is for. Duration is optional.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/RatePlanCandidates	0..n	Collection of requested rate plans.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/RatePlanCandidates/RatePlanCandidate	0..n	Element used to specify products/rates.
@ RatePlanCode	0..1	Conditionally mandatory if element is present. The rate plan for which the availability request is for.
@ RatePlanCategory	0..1	The rate plan category (collection of Rate Plan codes) for which the availability request is for. (i.e. Corporate, Discount, Group) If RatePlanCode is exists RatePlanCategory is not necessary.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/RatePlanCandidates/RatePlanCandidate/HotelRefs	1	Collection of hotel identifiers.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/RatePlanCandidates/RatePlanCandidate/HotelRefs/HotelRef	1	Information to identify one or more hotels.
@ChainCode	0..1	Optional. The chain code for which the availability request is for.
@ BrandCode	0..1	Optional. The Brand Code for which the availability request is for.

Element |@Attribute	Num	Description/Contents
@ HotelCode	1	This it the code of the property whose availability is being requested.
OTA_HotelAvailGetRQ/HotelAvailRequests /HotelAvailRequest/ RoomTypeCandidates	0..n	Collection of room stay candidates.
OTA_HotelAvailGetRQ/HotelAvailRequests /HotelAvailRequest/ RoomTypeCandidates/RoomTypeCandidate	0..n	Element used to specify room products.
@RoomTypeCode	1..n	Conditionally mandatory if element is present. The room type code whose availability is being requested.
OTA_HotelAvailGetRQ/HotelAvailRequests /HotelAvailRequest/ RestrictionStatusCandidates	0..n	A collection of Restriction Status values.
OTA_HotelAvailGetRQ/HotelAvailRequests /HotelAvailRequest/ RestrictionStatusCandidates/RestrictionStatusCandidate	0..n	Availability request assigned to the criteria specified.
@Restriction	0..1	Conditionally mandatory if element is present. If no other restriction is sent (Status, min LOS), then the Restriction field must be sent. In the OpenTravel Alliance message the following enumerations are possible: Master, Arrival, Departure, NonGuarantee, TravelAgent. However the HTNG recommendation should be that only Departure and Arrival are used as they are the only ones that are meaningful. If one of the partners implementing the message does not support one of the 2 Recommended enumerations, the un-supported enumeration would be ignored by the receiving system. For instance if the transmitting system supports both arrival and departure restriction (for this type of message) but the recipient only supports departure restrictions, then the arrival restrictions would be ignored. Partners would need to agree on this during implementation.
@Status	0..1	Conditionally mandatory if element is present. Enumeration; possible values ="Open", "Close", "ClosedOnArrival", "OnRequest". If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An un-supported enumeration would be ignored by the receiving system – therefore the type of status messages must be agreed upon implementation between the 2 partners.
OTA_HotelAvailGetRQ/HotelAvailRequests /HotelAvailRequest/	0..n	Collection of Length of Stay elements. These LOS elements indicate what LOS restrictions are to be included in the response.

Element |@Attribute	Num	Description/Contents
LengthsOfStayCandidates		
@FixedPatternLength	0..1	Optional. If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/LengthsOfStayCandidates/LengthOfStayCandidate	0..1	A collection of patterns defining allowable lengths of stay (LOS).
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/BestAvailableRateCandidate	0..1	Use to request Best Available Rate criteria.
@SendLengthOfStayTime	0..1	Request length of stay associated with Best Available Rate.
@ SendRatePlanCode	0..1	Request Rate plans associated with Best Available Rate.
@ SendAmount	0..1	Request rate value amount associated with Best Available Rate.
@ CurrencyCode	0..1	Request currency code associated with Best Available Rate.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/HurdleRateCandidate	0..1	Use to request Hurdle Rates.
@ SendAmount	0..1	Request rate value amount associated with Hurdle Rate.
@ CurrencyCode	0..1	Request currency code associated with Hurdle Rate.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/DeltaCandidate		Use to request Delta.
@ SendAmount	0..1	Request rate value amount associated with Delta Rate.
@ CurrencyCode	0..1	Request currency code associated with Delta Rate.
OTA_HotelAvailGetRQ/HotelAvailRequests/HotelAvailRequest/HotelRef	1	Indicates the detail of hotel reference information.

Element |@Attribute	Num	Description/Contents
@ ChainCode	0..1	Optional. The chain code for which the availability request is for.
@ BrandCode	0..1	Optional. The Brand Code for which the availability request is for.
@ HotelCode	1	This it the code of the property whose availability is being requested.

8.2.4   Availability Get Response

OTA_HotelAvailGetRS

Usage Profile Table

Element |@Attribute	Num	Description/Contents
OTA_HotelAvailGetRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Timestamp of the transaction.
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message.
OTA_HotelAvailGetRS/Success	1	This is the annotation that the availability request was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelAvailGetRS/Warnings	0..1	Optional.
OTA_HotelAvailGetRS/Warnings/Warning	1..n	
@ Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelAvailGetRS/Errors	1	Errors are returned if the request was unable to be processed.
@ Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelAvailGetRS/ AvailStatusMessages		
@ ChainCode	0..1	Optional.
@ BrandCode	0..1	Optional.

Element |@Attribute	Num	Description/Contents
@ HotelCode	1	Hotel Code the request was for.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage	1	The AvailStatusMessage. It is here that one indicates whether the inventory is opened, closed, closed on request, etc.
@BookingLimitMessage Type	0..1	If requested mandatory. Enumerated values are used to indicate whether the booking limit sent in the transmission is used to set, adjust or delete the booking limit. (SetLimit, AdjustLimit, RemoveLimit).
@BookingLimit	0..1	If requested mandatory. This is the maximum number of rooms for the InvTypeCode sent that can be booked. Although all restrictions are optional, at least one should be sent for the message to have any meaning.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/ StatusApplicationContro l	1	Information in what the AvailStatus Message applies to (I.e, the combination of inventory and rates codes) and the period of application.
@Start, @End	1	The first and last dates for which the availability update is being sent.
@RatePlanCode	1	This is the rate plan whose availability is being updated.
@RatePlanCategory	0..1	This is the Category or segment which the rate whose availability is being updated belongs to.
@Mon, @Tue, @Weds, @Thur, @Fri, @Sat, @Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent they must all be sent.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Lengt hsOfStay	1	Collection of Length of Stay elements. These LOS elements indicate what LOS restrictions are to be added or removed. Some systems include this information directly with the Availability Status as opposed to the booking restriction.
@FixedPatternLength	0..1	If both partners agree to send the Full Pattern LOS then this field is set to the length of the pattern string further inside the message. For example, this would be set to 7 when the string has seven characters, from LOS1 to LOS7+.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Lengt hsOfStay/LengthOfStay	0..n	Conditionally mandatory. If LengthsOfStay is sent then there must be at least one LengthOfStay element.
@Time, @TimeUnit	0..1	Optional. If sending MinLOS then TimeUnit set = Day and Time set to the MinLOS value.
@MinMaxMessageType	0..1	MinMaxLengthOfStay set = SetMinLOS when sending MinLOS, the default setting. It can be set = FullPatternLOS if both partners support the Full Pattern Length of Stay as available in the OpenTravel Alliance message. Other values could be used based on partner agreement.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Lengt hsOfStay/LengthOfStay /LOSPattern	0..1	
@FullPatternLOS	0..1	If sending Full Pattern LOS then this is set to the string with 'Y' for the LOS that are open and 'N' for the LOS that are closed. The length of the string is indicated in @FixedPatternLength described above. For example, to

Element |@Attribute	Num	Description/Contents
		open the odd LOS (LOS1, LOS3, LOS5 and LOS7) and close the even LOS (LOS2, LOS4 and LOS6) then the string would be "YNYNYNY".
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/BestA vailableRates	1	A collection of the best rates available.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/BestA vailableRates/BestAvail ableRate	0..n	This element is normally repeated for each length of stay. The maximum length of stay "n" is to be agreed by trading partners, though it normally it is 8. In case where a single BAR value is applicable for all length of stays, the element is sent once.
@LengthOfStayTime	1	Length of stay. This is normally a number from 1 to "n" (defined above). In the case where a single BAR value is applicable for all length of stays, the value is zero.
@RatePlanCode	1	This is the rate code identifying the best available rate.
@Amount	0..1	Value of the best available rate. Sent to validate the RatePlanCode. The BAR amount to be used by the Reservation system for any LOS, that is greater than the agreed maximum, will be the same value given for the maximum length of stay "n". Amount is a basic value and refers to the general charge of the Rate plan. It is not expected to convey differing values based on the number of Adults and/or Children occupying a room. If required, the trading partners may agree the implementation of a more granular level of rate value using the OTA_HotelRateAmountNotifRQ message.
@CurrencyCode	0..1	Currency of delta adjustment using ISO4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
@TaxInclusive	0..1	Boolean Flag indicating whether the amount sent as Best Available Rate includes Tax or not. In the event of there needing to be more detailed information, it will be sent using the OpenTravel Alliance Rate Plan messages previously adopted.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Hurdl eRate	0..1	Restriction based on the minimum rate to be considered for availability, ex. Can sell weekend rate only if charging the hurdle rate or more.
@Amount	1	This is the Hurdle rate the user wishes to set.
@CurrencyCode	0..1	Currency of delta adjustment using ISO4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Delta	0..1	Incremental amount added to the hurdle rate (e.g. Amount = 20 USD and ceiling = 5, the maximum Delta would be 100 USD).
@Amount	0..1	Amount of delta adjustment.
@CurrencyCode	0..1	Currency of delta adjustment using ISO4217 codes. If the partner receiving the data does not support currency code for Hurdle rate, the currency code would be ignored.
@Ceiling, @MaxSold	0..1	Limits on the application of the Delta.

Element |@Attribute	Num	Description/Contents
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Uniqu eID	1	The unique identifier element allows the trading partners to uniquely identify each AvailStatusMessage for tracing of transactions.
@Type	1	Type refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	1	ID is a unique incremental number for each availability message that identifies that specific message
OTA_HotelAvailGetRS/ AvailStatusMessages/Av ailStatusMessage/Restri ctionStatus	0..1	Availability status assigned to the room rate combination.
@Restriction	0..1	Optional. If no other restriction is sent (Status, min LOS), then the Restriction field must be sent. In the OpenTravel Alliance message the following enumerations are possible: Master, Arrival, Departure, NonGuarantee, TravelAgent. However the HTNG recommendation should be that only Departure and Arrival are used as they are the only one that are meaningful. If one of the partners implementing the message does not support one of the 2 Recommended enumerations, the unsupported enumeration would be ignored by the receiving system. For instance if the transmitting system supports both arrival and departure restriction (for this type of message) but the recipient only supports departure restrictions, then the arrival restrictions would be ignored. Partners would need to agree on this during implementation.
@Status	1	Enumeration; possible values ="Open", "Close", "ClosedOnArrival", "OnRequest". If one of the partners implementing the message does not support all the enumerations, the enumerations that are not supported should be mapped to supported enumerations by the receiving system. An un-supported enumeration would be ignored by the receiving system – therefore the type of status messages must be agreed upon implementation between the 2 partners.

8.2.5 Example Messages

8.2.6 Example 1 – Date Rate

Request

The CRS sends a request to hotel ABC123 requesting availability data for the period between March 1, 2009 and May 31, 2009.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.14159265358979323846264338327950">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="Passkey"/>
                </Source>
        </POS>
        <HotelAvailRequests>
```

```
            <HotelAvailRequest>
                    <DateRange Start="2009-03-01" End="2009-05-31"/>
                    <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
            </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response
The PMS responds with the list of availability by sellable products and their dates of availability containing full pattern length of stay restrictions.
- For the rate plan CORP and room type STD, only 2, 3 or 4 nights reservations are allowed from March 1, 2009 through May 31, 2009.
- For the Rate Plan CORP2 and room type STD, arrivals are not accept for reservations from March 1, 2009 through May 31, 2009.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
<AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
    <AvailStatusMessage>
            <StatusApplicationControl Start="2009-03-01" End="2009-05-31"
            RatePlanCodeType="RatePlanCode" RatePlanCode="CORP"
            InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
            <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
                <LengthOfStay Time="1" TimeUnit="Day" OpenStatusIndicator="0"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="2" TimeUnit="Day" OpenStatusIndicator="1"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="3" TimeUnit="Day" OpenStatusIndicator="1"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="4" TimeUnit="Day" OpenStatusIndicator="1"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="5" TimeUnit="Day" OpenStatusIndicator="0"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="6" TimeUnit="Day" OpenStatusIndicator="0"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="7" TimeUnit="Day" OpenStatusIndicator="0"
                MinMaxMessageType="FullPatternLOS"/>
                <LengthOfStay Time="8" TimeUnit="Day" OpenStatusIndicator="0"
                MinMaxMessageType="FullPatternLOS"/>
            </LengthsOfStay>
    </AvailStatusMessage>
        <AvailStatusMessage>
    <StatusApplicationControl Start="2009-03-01" End="2009-05-31"
    RatePlanCodeType="RatePlanCode" RatePlanCode="CORP2"
    InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
    <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="1" TimeUnit="Day" OpenStatusIndicator="0"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="2" TimeUnit="Day" OpenStatusIndicator="0"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="3" TimeUnit="Day" OpenStatusIndicator="0"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="4" TimeUnit="Day" OpenStatusIndicator="0"
```

```
                    MinMaxMessageType="FullPatternLOS"/>
                    <LengthOfStay Time="5" TimeUnit="Day" OpenStatusIndicator="0"
                    MinMaxMessageType="FullPatternLOS"/>
                    <LengthOfStay Time="6" TimeUnit="Day" OpenStatusIndicator="0"
                    MinMaxMessageType="FullPatternLOS"/>
                    <LengthOfStay Time="7" TimeUnit="Day" OpenStatusIndicator="0"
                    MinMaxMessageType="FullPatternLOS"/>
                    <LengthOfStay Time="8" TimeUnit="Day" OpenStatusIndicator="0"
                    MinMaxMessageType="FullPatternLOS"/>
            </LengthsOfStay>
        </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.7   Example 2 – Rate Plan

Request

The CRS system sends a request to a hotel ABC123 requesting availability, in the form of booking limits and length of stay controls for the rates plan codes CORP and CORP2 between the period of August 15, 2009 and October 1, 2009.

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

<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="Passkey"/>
                </Source>
        </POS>
        <HotelAvailRequests>
                <HotelAvailRequest SendBookingLimit="1" BookingLimitMessageType="SetLimit">
                        <DateRange Start="2009-08-15" End="2009-10-01"/>
                        <RatePlanCandidates>
                                <RatePlanCandidate RatePlanType="4" RatePlanCode="CORP" RatePlanQualifier="1"/>
                                <RatePlanCandidate RatePlanType="4" RatePlanCode="CORP2" RatePlanQualifier="1"/>
                        </RatePlanCandidates>
        <LengthsOfStayCandidates SendLengthsOfStay="All"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response

The PMS responds with availability for the rate plans of CORP and CORP2 and their restrictions over the specified date range of August 15, 2009 and October 1, 2009.
- The Booking Limit should be set on the rate plan of CORP. From August 15, 2009 – October 1, 2009, the limit should be set to 5.
- The Booking Limit should be set on the rate plan of CORP2. From August 15, 2009 – September 10, 2009, the limit should be set to 11 for all Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays within the date range having the minimum length of stay of 2 days.
- The Booking Limit should be set on the rate plan of CORP2. From September 11, 2009 – October 1, 2009, the limit should be set to 5.

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

```
<OTA_HotelAvailGetRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
                <AvailStatusMessage BookingLimit="5" BookingLimitMessageType="SetLimit">
                        <StatusApplicationControl Start="2009-08-15" End="2009-10-01" RatePlanCode="CORP" />
                        <UniqueID Type="16" ID="1" />
                </AvailStatusMessage>
                <AvailStatusMessage BookingLimit="11" BookingLimitMessageType="SetLimit">
                        <StatusApplicationControl Start="2009-08-15" End="2009-09-10" RatePlanCode="CORP2" Mon="1" Tue="1" Weds="1" Thur="1"
Fri="1" Sat="0" Sun="0"/>
                        <LengthsOfStay>
                                <LengthOfStay MinMaxMessageType="SetMinLOS" Time="2" TimeUnit="Day" />
                        </LengthsOfStay>
                        <UniqueID Type="16" ID="2"/>
                        <RestrictionStatus Status="Open"/>
                </AvailStatusMessage>
                <AvailStatusMessage BookingLimit="5" BookingLimitMessageType="SetLimit">
                        <StatusApplicationControl Start="2009-09-11" End="2009-10-01" RatePlanCode="CORP2"/>
                        <UniqueID Type="16" ID="3" />
                </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.8   Example 3 – Room Type

Request

The CRS system sends a request to a hotel ABC123 requesting availability for the room type codes STD and DLX between the period of June 11, 2009 and August 3, 2009.

Start Date	End Date	Hotel Code	Room Types
06/11/2009	8/03/09	ABC123	STD & DLX

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795" >
   <POS>
      <Source >
         <RequestorID Type="22" ID="Passkey"/>
      </Source>
      </POS>
   <HotelAvailRequests>
       <HotelAvailRequest SendBookingLimit="1" BookingLimitMessageType="SetLimit">
          <DateRange Start="2009-06-11" End="2009-08-03"/>
          <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
           <RoomTypeCandidates>
           <RoomTypeCandidate RoomTypeCode="STD" />
           <RoomTypeCandidate RoomTypeCode="DLX" />
```

```
            </RoomTypeCandidates>
            <LengthsOfStayCandidates SendLengthsOfStay="All"/>
        </HotelAvailRequest>
    </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response

The PMS responds with availability for the room types of STD and DLX and their restrictions over the specified date range of June 11, 2009 and August 3, 2009.

- The Booking Limit should be set on the room type of STD. From June 11, 2009 – August 3, 2009, the limit should be set to 55.
- The Booking Limit should be set on the rate plan of DLX. From June 11, 2009 – August 3, 2009, the limit should be set to 47 for all Fridays, Saturdays and Sundays within the date range having the minimum length of stay of 3 days.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
<AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123" >
        <AvailStatusMessage BookingLimit="55" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2009-06-11" End="2009-08-03"  InvCode="STD" />
            <UniqueID Type="16" ID="1"/>
        </AvailStatusMessage>
        <AvailStatusMessage BookingLimit="47" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2009-06-11" End="2009-08-03"  InvCode="DLX" Mon="0" Tue="0" Weds="0" Thur="0" Fri="1" Sat="1"
Sun="1"/>
            <LengthsOfStay>
                <LengthOfStay MinMaxMessageType="SetMinLOS" Time="3" TimeUnit="Day"/>
            </LengthsOfStay>
            <UniqueID Type="16" ID="2"/>
        </AvailStatusMessage>
    </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.9   Example 4 – Rate Plan / Room Type Combination

Request

The CRS system sends a request to a hotel ABC123 requesting availability for the room type code and rate plan code combination of STD and CORP, between the period of June 11, 2009 and August 3, 2009.

Start Date	End Date	Hotel Code	Rate Plan	Room Type
06/11/2009	8/03/09	ABC123	CORP	STD

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795" >
    <POS>
        <Source>
            <RequestorID Type="22" ID="Passkey" />
        </Source>
    </POS>
```

```
    <HotelAvailRequests>
        <HotelAvailRequest SendBookingLimit="1" BookingLimitMessageType="SetLimit">
            <DateRange Start="2009-06-11" End="2009-08-03"/>
            <RatePlanCandidates>
                <RatePlanCandidate RatePlanType="4" RatePlanCode="CORP" RatePlanQualifier="1" />
        </RatePlanCandidates>
            <RoomTypeCandidates>
                <RoomTypeCandidate RoomTypeCode="STD" >
                </RoomTypeCandidate>
            </RoomTypeCandidates>
            <LengthsOfStayCandidates SendLengthsOfStay="All"/>
            <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
        </HotelAvailRequest>
    </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response

The PMS responds with availability for the combination of the room type of STD and the rate plan of CORP and their restrictions over the specified date range of June 11, 2009 and August 3, 2009.

- The Booking Limit should be set on the combination of the room type of STD and rate plan of CORP. From June 11, 2009 – August 3, 2009, the limit should be set to 35 for all Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays within the date range having the minimum length of stay of 2 days.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
    <Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123" >
            <AvailStatusMessage BookingLimit="35" BookingLimitMessageType="SetLimit">
            <StatusApplicationControl Start="2009-06-11" End="2009-08-03" RatePlanCode="CORP" InvCode="STD" Mon="1" Tue="1" Weds="1" Thur="1"
Fri="1" Sat="0" Sun="0">
            </StatusApplicationControl>
            <LengthsOfStay>
<LengthOfStay MinMaxMessageType="SetMinLOS" Time="2" TimeUnit="Day">
</LengthOfStay>
            </LengthsOfStay>
            <UniqueID Type="16" ID="1"/>
                    <RestrictionStatus Status="Open"/>
            </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.10   Example 5 – Booking Limit

Request

The CRS system sends a request to a hotel ABC123 requesting availability for the rate plan code CORP where the booking limit is set, between the period of June 21, 2009 and August 13, 2009.

Start Date	End Date	Hotel Code	Rate Plan	BookingLimit
06/21/2009	8/13/09	ABC123	CORP	SetLimit

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

```
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="Passkey"/>
                </Source>
        </POS>
        <HotelAvailRequests>
                <HotelAvailRequest SendBookingLimit="1" BookingLimitMessageType="SetLimit">
                        <DateRange Start="2009-06-21" End="2009-08-13"/>
                        <RatePlanCandidates>
                                <RatePlanCandidate RatePlanType="4" RatePlanCode="CORP" RatePlanQualifier="1"/>
                        </RatePlanCandidates>
                        <HotelRefs>
                                <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                        </HotelRefs>
                </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response
The PMS responds with availability for the rate plans of CORP and it's restrictions over the specified date range of June 21, 2009 and August 13, 2009.
- The Booking Limit should be set on the rate plan of CORP. From June 21, 2009 – August 13, 2009, the limit should be set to 11 for all Mondays, Tuesdays, Wednesdays, Thursdays, and Fridays within the date range having the minimum length of stay of 2 days and the status of open.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
                <AvailStatusMessage BookingLimit="11" BookingLimitMessageType="SetLimit">
                        <StatusApplicationControl Start="2009-06-21" End="2009-08-13" RatePlanCode="CORP" Mon="1" Tue="1" Weds="1" Thur="1"
Fri="1" Sat="0" Sun="0">
                        </StatusApplicationControl>
                        <LengthsOfStay>
                                <LengthOfStay MinMaxMessageType="SetMinLOS" Time="2" TimeUnit="Day" />
                        </LengthsOfStay>
                        <UniqueID Type="16" ID="2"/>
                        <RestrictionStatus Status="Open"/>
                </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.11   Example 6 – Best Available Rates

Request
The CRS system sends a request to the RMS system for hotel ABC123 requesting best available rate controls, by length of stay, between the period of June 20, 2009 and June 22, 2009. The request asks for both rate plans and rate amounts on the response – perhaps not very realistic but useful in illustrating the 2 options available.

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

```xml
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRQ.xsd" TimeStamp="2009-01-21T09:30:47-06:00" Target="Production"
Version="1.001">
        <HotelAvailRequests>
                <HotelAvailRequest>
                        <DateRange Start="2009-06-20" End="2009-06-22"/>
                        <BestAvailableRateCandidate SendLengthOfStayTime="1" SendAmount="1" SendRatePlanCode="1"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response
The RMS responds with best available rate controls for the date range giving a best available rate per arrival day per length of stay.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" Version="1.001" Target="Production" TimeStamp="2009-01-
21T09:30:47-06:00">
        <Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-20" End="2009-06-20"/>
                        <BestAvailableRates>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="1" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="2" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="3" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="4" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="5" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="6" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="7" Amount="115.0"/>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="8" Amount="115.0"/>
                        </BestAvailableRates>
                        <UniqueID Type="16" ID="1"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-21" End="2009-06-21"/>
                        <BestAvailableRates>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="1" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="2" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="3" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="4" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="5" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="6" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="7" Amount="105.0"/>
                                <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="8" Amount="105.0"/>
                        </BestAvailableRates>
                        <UniqueID Type="16" ID="2"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-22" End="2009-06-22"/>
                        <BestAvailableRates>
                                <BestAvailableRate RatePlanCode="BAR3" LengthOfStayTime="1" Amount="115.0"/>
```

```
                              <BestAvailableRate RatePlanCode="BAR2" LengthOfStayTime="2" Amount="125.0"/>
                              <BestAvailableRate RatePlanCode="BAR2" LengthOfStayTime="3" Amount="125.0"/>
                              <BestAvailableRate RatePlanCode="BAR2" LengthOfStayTime="4" Amount="125.0"/>
                              <BestAvailableRate RatePlanCode="BAR2" LengthOfStayTime="5" Amount="125.0"/>
                              <BestAvailableRate RatePlanCode="BAR2" LengthOfStayTime="6" Amount="125.0"/>
                              <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="7" Amount="105.0"/>
                              <BestAvailableRate RatePlanCode="BAR4" LengthOfStayTime="8" Amount="105.0"/>
                      </BestAvailableRates>
                      <UniqueID Type="16" ID="3"/>
               </AvailStatusMessage>
       </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.12   Example 7 – Hurdle Rates

Request
The CRS system sends a request to the RMS system for hotel ABC123 requesting hurdle rate controls, including delta values, between the period of June 20, 2009 and June 22, 2009.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRQ.xsd" TimeStamp="2009-01-21T09:30:47-06:00" Target="Production"
Version="1.001">
       <HotelAvailRequests>
               <HotelAvailRequest>
                      <DateRange Start="2009-06-20" End="2009-06-22"/>
                      <HurdleRateCandidate SendAmount="1"/>
                      <DeltaCandidate SendAmount="1"/>
                      <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
               </HotelAvailRequest>
       </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response
The RMS responds with best available rate controls for the date range giving a best available rate per arrival day per length of stay.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" Version="1.001" Target="Production" TimeStamp="2009-01-
21T09:30:47-06:00">
       <Success/>
       <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
               <AvailStatusMessage>
                      <StatusApplicationControl Start="2009-06-20" End="2009-06-20"/>
                      <HurdleRate Amount="107.50"/>
                      <Delta Amount="2.25" Ceiling="35" MaxSold="123"/>
                      <UniqueID Type="16" ID="1"/>
               </AvailStatusMessage>
               <AvailStatusMessage>
                      <StatusApplicationControl Start="2009-06-21" End="2009-06-21"/>
                      <HurdleRate Amount="99.80"/>
                      <Delta Amount="12.00" Ceiling="17" MaxSold="88"/>
```

```
                          <UniqueID Type="16" ID="2"/>
               </AvailStatusMessage>
               <AvailStatusMessage>
                          <StatusApplicationControl Start="2009-06-22" End="2009-06-22"/>
                          <HurdleRate Amount="111.00"/>
                          <Delta Amount="0.75" Ceiling="103" MaxSold="105"/>
                          <UniqueID Type="16" ID="3"/>
               </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.13   Example 8 – Group Code

Request

The CRS system sends a request to the RMS system for hotel ABC123 requesting hurdle rate controls, including delta values, between the period of June 20, 2009 and June 22, 2009.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRQ.xsd" TimeStamp="2009-01-21T09:30:47-06:00" Target="Production"
Version="1.001">
        <HotelAvailRequests>
               <HotelAvailRequest>
                      <RatePlanCandidates>
                              <RatePlanCandidate InvBlockCode="GRP09"/>
                      </RatePlanCandidates>
                      <DateRange Start="2009-06-20" End="2009-06-22"/>
                      <HurdleRateCandidate SendAmount="1"/>
                      <DeltaCandidate SendAmount="1"/>
                      <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
               </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response

The PMS/CRS responds with the availability, rate and restrictions for hotel ABC123 for the Group Code GRP09 for the date range between the period of June 20, 2009 and June 22, 2009.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" Version="1.001" Target="Production" TimeStamp="2009-01-
21T09:30:47-06:00">
        <Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
               <AvailStatusMessage>
                      <StatusApplicationControl Start="2009-06-20" End="2009-06-20" InvBlockCode="GRP09" />
                      <HurdleRate Amount="107.50"/>
                      <Delta Amount="2.25" Ceiling="35" MaxSold="123"/>
                      <UniqueID Type="16" ID="1"/>
               </AvailStatusMessage>
               <AvailStatusMessage>
                      <StatusApplicationControl Start="2009-06-21" End="2009-06-21" InvBlockCode="GRP09" />
```

```
                        <HurdleRate Amount="99.80"/>
                        <Delta Amount="12.00" Ceiling="17" MaxSold="88"/>
                        <UniqueID Type="16" ID="2"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-22" End="2009-06-22" InvBlockCode="GRP09" />
                        <UniqueID Type="16" ID="3"/>
                </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.14 Example 9 – Restrictions

Request

The CRS system sends a request to the RMS for hotel ABC123 requesting only "Open" and "Close" restrictions between the period of June 20, 2009 and June 22, 2009.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRQ.xsd" TimeStamp="2009-01-21T09:30:47-06:00" Target="Production"
Version="1.001">
        <HotelAvailRequests>
                <HotelAvailRequest>
                        <DateRange Start="2009-06-20" End="2009-06-22"/>
                        <RestrictionStatusCandidates SendAllRestrictions="0">
                                <RestrictionStatusCandidate Status="Close" />
                                <RestrictionStatusCandidate Status="Open" />
                        </RestrictionStatusCandidates>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                </HotelAvailRequest>
        </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

Response

The PMS responds with the following restrictions for the period of June 20, 2009 and June 22, 2009.

Start Date	End Date	Hotel Code	Rate Plan	Room Type	Status	Type
06/20/2009	06/20/2009	ABC123	All	All	Close	Master
06/21/2009	06/22/2009	ABC123	All	All	Open	Master
06/20/2009	06/22/2009	ABC123	RACK	GR	Close	Arrival

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" Version="1.001" Target="Production" TimeStamp="2009-01-21T09:30:47-06:00">
        <Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-20" End="2009-06-20"/>
                        <RestrictionStatus Status="Close" Restriction="Master"/>
                        <UniqueID Type="16" ID="1"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-21" End="2009-06-22"/>
                        <RestrictionStatus Status="Open" Restriction="Master"/>
                        <UniqueID Type="16" ID="2"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-20" End="2009-06-22" RatePlanCode="RACK" InvTypeCode="GR"/>
                        <RestrictionStatus Status="Close"  Restriction="Arrival"/>
                        <UniqueID Type="16" ID="2"/>
                </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.2.15   Example 10 – Length of Stay

Request

The CRS system sends a request to the RMS system for hotel ABC123 requesting all Lengths of Stay between the period of June 20, 2009 and June 22, 2009.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRQ.xsd" TimeStamp="2009-01-21T09:30:47-06:00" Target="Production" Version="1.001">
        <HotelAvailRequests>
                <HotelAvailRequest>
                        <DateRange Start="2009-06-20" End="2009-06-22"/>
                        <LengthsOfStayCandidates SendAllLengthsOfStay="1"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
```

</HotelAvailRequest>
</HotelAvailRequests>
</OTA_HotelAvailGetRQ>

Response

The PMS responds with the following lengths of stay for the period of June 20, 2009 and June 22, 2009.

Start Date	End Date	Hotel Code	RatePlan	Room Type	Restriction	Length (LOS)
06/20/2009	06/20/2009	ABC123	All	All	MinLOS	2
06/20/2009	06/20/2009	ABC123	All	All	MaxLOS	5
06/21/2009	06/22/2009	ABC123	All	All	MinLOS	1
06/20/2009	06/22/2009	ABC123	RACK	KS	MinLOS	3
06/20/2009	06/22/2009	ABC123	RACK	KS	MaxLOS	9

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" Version="1.001" Target="Production" TimeStamp="2009-01-21T09:30:47-06:00">
        <Success/>
        <AvailStatusMessages ChainCode="YY" BrandCode="XX" HotelCode="ABC123">
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-20" End="2009-06-20"/>
                        <LengthsOfStay ArrivalDateBased="1">
                                <LengthOfStay Time="2" TimeUnit="Day" MinMaxMessageType="MinLOS"/>
                                <LengthOfStay Time="5" TimeUnit="Day" MinMaxMessageType="MaxLOS"/>
                        </LengthsOfStay>
                        <UniqueID Type="16" ID="1"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl Start="2009-06-21" End="2009-06-22"/>
                        <LengthOfStay Time="1" TimeUnit="Day" MinMaxMessageType="MinLOS"/>
                        <UniqueID Type="16" ID="2"/>
                </AvailStatusMessage>
                <AvailStatusMessage>
                        <StatusApplicationControl RatePlanCode="RACK" InvCode="KS" Start="2009-06-20" End="2009-06-22" />
                                <LengthOfStay Time="3" TimeUnit="Day" MinMaxMessageType="MinLOS"/>
                                <LengthOfStay Time="9" TimeUnit="Day" MinMaxMessageType="MaxLOS"/>
                        <UniqueID Type="16" ID="3"/>
                </AvailStatusMessage>
        </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

8.3   FAQ

8.3.1   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. Every AvailStatusMessage element in the request will be assigned a unique identifier. In the cases where an AvailStatusMessage element caused the error or the warning, the value of attribute RecordId will be set to match the unique identifier to connect the two. The intent is that technical support from either party can use the additional information to identify the cause of the problem. It should be noted that there may be cases where the error or warning may be caused at a higher level than the AvailStatusMessage and the value of RecordId cannot be set.

Part 3   Statistics, Version 2.0

Chapter 9   Acknowledgements

HTNG gratefully acknowledges the contributions of the following people in the development of this document:

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Chapter 10   Document Information

10.1   Document Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles and Business Process for Statistics Messages for Property Distribution based on the OpenTravel Alliance ("OTA") specifications published by this organization.

10.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for Statistics.

10.3   Audience

This document is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

10.4   Overview

The messages in the OpenTravel Alliance specification cover a large number of Optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

10.5   Terminology

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

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance
XML	Extensible Markup Language – This is a general-purpose markup language for creating special-purpose markup languages, capable of describing different kinds of data.

10.6   Referenced Documents

This document depends upon the following documentss:

The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

HTNG Usage Profile – Availability, Version 2.0, available at: www.htng.org.

10.7   Assumptions and Dependencies

It is assumed the usage profiles 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 usage profiles.

3. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release.

10.8   Document History

Version	Date	Author	Comments
1.0.0	27 July 2007	Kevin Smith	First draft posted for workgroup review
1.0.1	11 Sep 2007	Kevin Smith	Second draft to reflect change in requirements for Arrival and Departure counts
1.0.2	07 Oct 2007	Kevin Smith	Formatting
1.0.3	12 Nov 2007	Martin Kirk	Reformatted to HTNG template
1.04	26 Nov 2007	Martin Kirk	Final minor edits. For WG approval.

Chapter 11   Business Process

This chapter defines minimum requirements and expected behavior of a participating system to assist in the partner certification exercise.

11.1   Overview

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

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

11.2   Behavior

The purpose of this profile is to support the transfer of summary-level data from an originating system; CRS or PMS, to a receiving system, such as a revenue management system. The data comprises property-level and segmentation/categorized-level data, for both past and future dates. The specific date ranges exchanged are subject to the agreement of the trading partners involved.

The reservation-based data is necessary in order for the revenue management system to optimize its forecasts and provide updated yield management controls either for manual or automated deployment in a receiving system such as a PMS and/or CRS, or Channel Management/Rate Distribution application. (For further information on the automated revenue management controls please refer to the Update Hurdle Rates Requests and the Update Best Available Rates Request in the Usage Profile – Availability document available from www.htng.org).

To maintain integration and application integrity it is expected that the source of the data; i.e., the originating system, will be the same application used by the client for its business and financial reporting and has 100% visibility of inventory.

The scope of the message provided by the originating system; at minimum once per day, will be composed of the following four report definitions. These reports are necessary to facilitate the initial build of the revenue management system as well as to support the subsequent daily processing and are necessary in order for the revenue management system to maintain its updated forecasts and decisions and comprise of the following:

  Current Daily Totals Reports

  Current Daily Categorized Reports

  Past Daily Total Reports

  Past Daily Categorized Reports

The timing and frequency for the provision of the extracts will be based upon the daily schedule agreed between the trading partners.

Based on the definitions/schedules discussed above; the originating system will select the appropriate usage profile and fill in the XML according to the guidelines provided in the specific profile. The system will then send the XML to the appropriate Web Service set up by the receiving system which will, in turn, respond using the correct response for the selected profile.

The originating system will log the response and ensure the message is processed appropriately.

Although this profile is predominantly defined for use in a revenue management environment; the summary nature of the data means that the statistics included may be put to use in a variety of ways.

11.2.1 Behavior Expected from the Originating System prior to Receipt of Extract by the Receiving Application

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 by the trading partners

Provision of all fields classed as Mandatory in the HTNG Statistics Usage Profile

Creation and validation of XML message format

Transmission of the XML to appropriate URL set up by the receiving system using the appropriate identification criteria (soap user and password provided by the receiving system)

Keep a log of the message transmitted

Ensure proper processing of the response message

11.2.2 Behavior Expected upon Receipt of the Response Message

Once the XML has been processed by the receiving system, a response message will be sent back to the originating system. The originating system will need to perform the following:

Keep a log of the response message received

Be able to evaluate error responses coming from the receiving system

Be able to evaluate warning messages contained in the responses from the receiving system

React to error responses as needed, by modifying the XML and retransmitting if possible

If retry attempts remain unsuccessful route through accepted escalation paths where applicable

11.2.3 Behavior Expected from the Receiving System upon Receipt of Extract

Receive and validate the data contained in the four reports

Extract data in the message detail and validate any coded fields with reference to a mapping table if applicable

If translation is necessary, translate data fields using pre-established conversion tables

Ensure that a successful response message is generated and transmitted

If errors were encountered but the message was still processed, verify that the response message contains the appropriate warnings as supported in the profile

Acknowledge successful/unsuccessful processing of the upload using the appropriate response message

If unsuccessful processing continues, route through accepted escalation paths where applicable

Process the received data and update all revenue management information

Provision of pricing decisions and inventory controls to the originating system as defined in the Availability Usage Profile

In summary, the Usage Profiles outlined above are encompassed within the following functional capabilities:

Reading – accepting the associated data from within an inbound message.

Converting – translating the associated data to and from local coding and format standards, where appropriate, during receiving and transmitting operations.

Storing – holding the associated data locally.

Displaying – showing the associated data to users of the application in a way that maintains the logical association of the data to its purpose; i.e., in appropriate fields on-screen, or with appropriate notation if displayed as part of free-form text.

Retransmitting – resending of the associated data in the correct position of an outbound message, where applicable

Chapter 12   Usage Profiles

12.1   Statistics

12.1.1   Current Daily Totals Reports

The current daily totals report is sent using the OTA_HotelStatsNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	As per OpenTravel Alliance Specifications.
@TimeStamp	1	Time of the transaction.
OTA_HotelStatsNotifRQ / POS / Source / RequestorID	1	This identifies the system which is sending the statistical data.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@ID	1	ID is used for the name or ID of the requestor. For example, TrustCRS.
OTA_HotelStatsNotifRQ / Statistics / Statistic	1 .. N	If only sending one report then this element is present once. It is possible to send other reports in the same message by sending this element several times.
@ChainCode	1	Chain code for the hotel. Code value to be agreed by trading partners.
@HotelCode	1	Hotel code for the hotel. Code value to be agreed by trading partners.
@ReportCode	1	String identifying the predefined report and thus what fields and values are expected. The string must be 'HTNG_CurrentDailyPropertyStatistics_v1' for values at the property level and 'HTNG_CurrentDailyRoomTypeStatistics_v1' for values at the room type level.
@FiscalDate	1	Capture date and time. Indicates the time at which the data was captured.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet	1 ..N	This element represents a "row" in the report and so it is repeated for the length of the report. For this report N is the number of days in the report, normally 365.
@Start	1	Date for which the statistics in the sub-elements that follow was collected.

Element	@Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / StatisticCodes / StatisticCode	0..1	Element with the categories at which the data has been gathered. This element is required when sending values at room type level.
@StatCategoryCode	1	Code value from OpenTravel Alliance Code List Stat Category Code (SCC). The value for room type is 3.
@StatCode	1	String with the room type code from the property.

OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / RevenueCategorySummaries / RevenueCategorySummary	0..17	Repeating element for each revenue value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		
		No values are required.
		
		The following values are Optional:
		
		  Room Revenue: Room only revenue.
		
		  Food & Beverage Revenue: Food and beverage revenue.
		
		  Total Revenue: Total revenue, must be greater than or equal to the sum of room revenue and food and beverare revenue.
		
		  Golf:
		
		  Laundry:
		
		  Parking:
		
		  Pay per View:
		
		  Service Charge:
		
		  Spa:
		
		  Tax:
		
		  Telephone:
		
		  Tennis:
		
		  Valet:
		
		  Internet Access: Revenue achieved from selling Internet connections via chargeable methods.
		
		  Gaming Revenues: Revenue achieved from any gaming undertaken on property related to guest/room.
		
		  Chauffeur/Cars: Revenue from the use of cars and or chauffeurs for a guest.
		
		  Other: Additional revenue not identified by any of the other categories above.

Element | @Attribute	Num	Description/Contents
@RevenueCategoryCode	1	Code value from OpenTravel Alliance Code List Revenue Category Code (RCC). The following values are to be used: 9: Room Revenue 3: Food & Beverage Revenue 17: Total Revenue 4 : Golf 5 : Laundry 7 : Parking 8 : Pay per View 10 : Service Charge 11 : Spa 12 : Tax 14 : Telephone 15 : Tennis 16 : Valet 18 : Internet Access 19 : Gaming 20 : Chauffeur/Cars 6 : Other
@Amount	1	Amount value for the revenue code being reported.
@Currency	0..1	Currency for the amount transferred for the revenue code being reported, in ISO 4217 codes.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / CountCategorySummaries / CountCategorySummary	6..10	Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above. The following values are required: Physical capacity: Total number of rooms at the property. Rooms out of order: Rooms taken out of inventory for maintenance reasons. Rooms not available: Rooms taken out of inventory for other reasons. Rooms sold: Rooms sold/on books (for future dates). Room arrivals: Rooms with arrival on the date (*). Room departures: Rooms with departure on the date (*). The following values are Optional: Rooms cancelled: Cancelled rooms with arrival on the date. Denials: Reservations that were not able to be taken for various reasons (full, LOS, etc.) and rejected. Day Use: Rooms that are sold to guests (internal or external) for business use such as meetings, etc. Complimentary: A room that is not charged to a guest. (*) In the case of shares with different arrivals and depatures for individuals, the first arrival date and the last departure date should be used for the counts.

Element | @Attribute	Num	Description/Contents
@CountCategoryCode	1	Code value from OpenTravel Alliance Code List Count Category Code (CNT). The following values are to be used: 8: Physical capacity 9: Rooms out of order 10: Room not available 11: Rooms sold 12: Room arrivals 13: Room departures 14: Rooms cancelled 16: Denials 19: Day use 22: Complimentary
@SummaryCount	1	Amount value for the count code being reported.

Example Message

The sample report below by room types shows StatisticsCode element present.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelStatsNotifRQ.xsd" EchoToken="952698" TimeStamp="2004-12-02T02:30:47-05:00"
Target="Production" Version="1.002" PrimaryLangID="en-us">
    <Statistics>
        <Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2006-06-20" ReportCode=" HTNG_CurrentDailyRoomTypeStatistics_v1">
            <StatisticApplicationSets>
                <StatisticApplicationSet Start="2006-06-21">
                    <StatisticCodes>
                        <StatisticCode StatCode="STD" StatCategoryCode="3"/>
                    </StatisticCodes>
                    <RevenueCategorySummaries>
                        <RevenueCategorySummary RevenueCategoryCode="17" Amount="10987.50"/>
                    </RevenueCategorySummaries>
                    <CountCategorySummaries>
                        <CountCategorySummary SummaryCount="66" CountCategoryCode="8"/>
                        <CountCategorySummary SummaryCount="1" CountCategoryCode="9"/>
                        <CountCategorySummary SummaryCount="0" CountCategoryCode="10"/>
                        <CountCategorySummary SummaryCount="57" CountCategoryCode="11"/>
                        <CountCategorySummary SummaryCount="28" CountCategoryCode="12"/>
                        <CountCategorySummary SummaryCount="21" CountCategoryCode="13"/>
                    </CountCategorySummaries>
                </StatisticApplicationSet>
                <StatisticApplicationSet Start="2006-06-22">
                    <RevenueCategorySummaries>
                        <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                    </RevenueCategorySummaries>
                    <CountCategorySummaries>
```

```
                    <CountCategorySummary SummaryCount="66" CountCategoryCode="8"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="9"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="10"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
        </StatisticApplicationSets>
    </Statistic>
  </Statistics>
</OTA_HotelStatsNotifRQ>
```

12.1.2   Current Daily Categorized Reports

The current daily categorized report is sent using the OTA_HotelStatsNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	As per OpenTravel Alliance Specifications.
@TimeStamp	1	Time of the transaction.
OTA_HotelStatsNotifRQ / POS / Source / RequestorID	1	This identifies the system which is sending the statistical data.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@ID	1	ID is used for the name or ID of the requestor. For example, TrustCRS.
OTA_HotelStatsNotifRQ / Statistics / Statistic	1 .. N	If only sending one report then this element is present once. It is possible to send other reports in the same message by sending this element several times.
@ChainCode	1	Chain code for the hotel. Code value to be agreed by trading partners.
@HotelCode	1	Hotel code for the hotel. Code value to be agreed by trading partners.
@ReportCode	1	String identifying the predefined report and thus what fields and values are expected. The string must be 'HTNG_CurrentDailySegmentStatistics_v1' for values by market segment, 'HTNG_CurrentDailyRatePlanStatistics_v1' for values by rate plan, 'HTNG_CurrentDailySegmentRoomTypeStatistics_v1' for values by market segment and room type, and 'HTNG_CurrentDailyRatePlanRoomTypeStatistics_v1' for values by rate plan and room type.
@FiscalDate	1	Capture date and time. Indicates the time at which the data was captured.

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ / Statistics/Statistic / StatisticApplicationSets / StatisticApplicationSet	1 ..N	This element represents a "row" in the report and so it is repeated for the length of the report. For this report N is the number of days in the report, normally 365, time the number of segments in the property.
@Start	1	Date for which the statistics in the sub-elements that follow was collected.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / StatisticCodes / StatisticCode	1..2	Element with the categories at which the data has been gathered. In this report, the first element, always required, is used to identify the category: Market Segment or Rate Plan. The second element, if present, is used to identify the room type.
@StatCategoryCode	1	Code value from OpenTravel Alliance Code List Stat Category Code (SCC). In the first element, the value is 1 for segments, 2 for rate plans. In the second element, the value is 3 for room types.
@StatCode	1	String with the segment or rate plan or room type code from the property.

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / RevenueCategorySummaries / RevenueCategorySummary	0..17	Repeating element for each revenue value in the report. All values correspond to the totals for the date in the @Start attribute defined above. No values are required. The following values are Optional: Room Revenue: Room only revenue. Food & Beverage Revenue: Food and beverage revenue. Total Revenue: Total revenue, must be greater than or equal to the sum of room revenue and food and beverare revenue. Golf: Laundry: Parking: Pay per View: Service Charge: Spa: Tax: Telephone: Tennis: Valet: Internet Access: Revenue achieved from selling Internet connections via chargeable methods. Gaming Revenues: Revenue achieved from any gaming undertaken on property related to guest/room. Chauffeur/Cars: Revenue from the use of cars and or chauffeurs for a guest. Other: Additional revenue not identified by any of the other categories above.

Element	@Attribute	Num	Description/Contents
@RevenueCategoryCode	1	Code value from OpenTravel Alliance Code List Revenue Category Code (RCC). The following values are to be used: 9: Room Revenue 3: Food & Beverage Revenue 17: Total Revenue 4 : Golf 5 : Laundry 7 : Parking 8 : Pay per View 10 : Service Charge 11 : Spa 12 : Tax 14 : Telephone 15 : Tennis 16 : Valet 18 : Internet Access 19 : Gaming 20 : Chauffeur/Cars 6 : Other
@Amount	1	Amount value for the revenue code being reported.
@Currency	0..1	Currency for the amount transferred for the revenue code being reported, in ISO 4217 codes.

OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / CountCategorySummaries / CountCategorySummary	3..7	Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		
		The following values are required:
		
		  Rooms sold: Rooms sold/on books (for future dates).
		
		  Room arrivals: Rooms with arrival on the date (*).
		
		  Room departures: Rooms with departure on the date (*).
		
		The following values are Optional:
		
		  Rooms cancelled: Cancelled rooms with arrival on the date.
		
		  Denials: Reservations that were not able to be taken for various reasons (full, LOS, etc.) and rejected.
		
		  Day Use: Rooms that are sold to guests (internal or external) for business use such as meetings, etc.
		
		  Complimentary: A room that is not charged to a guest.
		
		(*) In the case of shares with different arrivals and depatures for individuals, the first arrival date and the last departure date should be used for the counts.

Element | @Attribute	Num	Description/Contents
@CountCategoryCode	1	Code value from OpenTravel Alliance Code List Count Category Code (CNT). The following values are to be used: 11: Rooms sold 12: Room arrivals 13: Room departures 14: Rooms cancelled 16: Denials 19: Day use 22: Complimentary
@SummaryCount	1	Amount value for the count code being reported.

Example Message

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelStatsNotifRQ.xsd" EchoToken="952698" TimeStamp="2006-06-21T05:30:00-05:00"
Target="Production" Version="1.002" PrimaryLangID="en-us">
   <Statistics>
      <Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2006-06-21" ReportCode="HTNG_CurrentDailySegmentStatistics_v1">
         <StatisticApplicationSets>
            <StatisticApplicationSet Start="2006-06-21">
               <StatisticCodes>
                  <StatisticCode StatCode="COR" StatCategoryCode="1"/>
               </StatisticCodes>
               <RevenueCategorySummaries>
                  <RevenueCategorySummary RevenueCategoryCode="17" Amount="1392.75"/>
               </RevenueCategorySummaries>
               <CountCategorySummaries>
                  <CountCategorySummary SummaryCount="11" CountCategoryCode="11"/>
                  <CountCategorySummary SummaryCount="6" CountCategoryCode="12"/>
                  <CountCategorySummary SummaryCount="9" CountCategoryCode="13"/>
               </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-21">
               <StatisticCodes>
                  <StatisticCode StatCode="DIS" StatCategoryCode="1"/>
               </StatisticCodes>
               <RevenueCategorySummaries>
                  <RevenueCategorySummary RevenueCategoryCode="17" Amount="3825.00"/>
               </RevenueCategorySummaries>
               <CountCategorySummaries>
                  <CountCategorySummary SummaryCount="19" CountCategoryCode="11"/>
                  <CountCategorySummary SummaryCount="12" CountCategoryCode="12"/>
                  <CountCategorySummary SummaryCount="5" CountCategoryCode="13"/>
               </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-21">
               <StatisticCodes>
                  <StatisticCode StatCode="WLS" StatCategoryCode="1"/>
```

```xml
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="2114.25"/>
                </RevenueCategorySummaries>
                <CountCategorySummaries>
                    <CountCategorySummary SummaryCount="15" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="6" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="4" CountCategoryCode="13"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-22">
                <StatisticCodes>
                    <StatisticCode StatCode="COR" StatCategoryCode="1"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                </RevenueCategorySummaries>
                <CountCategorySummaries>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2005-06-22">
                <StatisticCodes>
                    <StatisticCode StatCode="DIS" StatCategoryCode="1"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                </RevenueCategorySummaries>
                <CountCategorySummaries>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-22">
                <StatisticCodes>
                    <StatisticCode StatCode="WLS" StatCategoryCode="1"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                </RevenueCategorySummaries>
                <CountCategorySummaries>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
        </Statistic>
    </Statistics>
</OTA_HotelStatsNotifRQ>
```

12.1.3 Past Daily Total Reports

The past daily total report is sent using the OTA_HotelStatsNotifRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	As per OpenTravel Alliance Specifications.
@TimeStamp	1	Time of the transaction.
OTA_HotelStatsNotifRQ / POS / Source / RequestorID	1	This identifies the system which is sending the statistical data.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@ID	1	ID is used for the name or ID of the requestor. For example, TrustCRS.
OTA_HotelStatsNotifRQ / Statistics / Statistic	1 .. N	If only sending one report then this element is present once. It is possible to send other reports in the same message by sending this element several times.
@ChainCode	1	Chain code for the hotel. Code value to be agreed by trading partners.
@HotelCode	1	Hotel code for the hotel. Code value to be agreed by trading partners.
@ReportCode	1	String identifying the predefined report and thus what fields and values are expected. The string must be 'HTNG_PastDailyPropertyStatistics_v1' for values at the property level and 'HTNG_PastDailyRoomTypeStatistics_v1' for values at the room type level.
@FiscalDate	1	Capture date and time. Indicates the time at which the data was captured.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet	1 ..N	This element represents a "row" in the report. For this report N is the number of days in the report, normally 45 but can be 365 for the first time it is sent.
@Start	1	Date for which the statistics in the sub-elements that follow was collected.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / StatisticCodes / StatisticCode	0..1	Element with the categories at which the data has been gathered. This element is required when sending values at room type level.
@StatCategoryCode	1	Code value from OpenTravel Alliance Code List Stat Category Code (SCC). The value for room type is 3.
@StatCode	1	String with the room type code from the property.

Element	@Attribute	Num	Description/Contents

OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / RevenueCategorySummaries / RevenueCategorySummary	1..17	Repeating element for each revenue value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		
		The following values are required:
		
		  Room Revenue: Room only revenue.
		
		The following values are Optional:
		
		  Food & Beverage Revenue: Food and beverage revenue.
		
		  Total Revenue: Total revenue, must be greater than or equal to the sum of room revenue and food and beverare revenue.
		
		  Golf:
		
		  Laundry:
		
		  Parking:
		
		  Pay per View:
		
		  Service Charge:
		
		  Spa:
		
		  Tax:
		
		  Telephone:
		
		  Tennis:
		
		  Valet:
		
		  Internet Access: Revenue achieved from selling Internet connections via chargeable methods.
		
		  Gaming Revenues: Revenue achieved from any gaming undertaken on property related to guest/room.
		
		  Chauffeur/Cars: Revenue from the use of cars and or chauffeurs for a guest.
		
		  Other: Additional revenue not identified by any of the other categories above.

Element | @Attribute	Num	Description/Contents
@RevenueCategoryCode	1	Code value from OpenTravel Alliance Code List Revenue Category Code (RCC). The following values are to be used: 9: Room Revenue 3: Food & Beverage Revenue 17: Total Revenue 4 : Golf 5 : Laundry 7 : Parking 8 : Pay per View 10 : Service Charge 11 : Spa 12 : Tax 14 : Telephone 15 : Tennis 16 : Valet 18 : Internet Access 19 : Gaming 20 : Chauffeur/Cars 6 : Other
@Amount	1	Amount value for the revenue code being reported.
@Currency	0..1	Currency for the amount transferred for the revenue code being reported, in ISO 4217 codes.

Element | @Attribute	Num	Description/Contents

OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / CountCategorySummaries / CountCategorySummary	8..15	Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		
		The following values are required:
		
		  Physical capacity: Total number of rooms at the property.
		
		  Rooms out of order: Rooms taken out of inventory for maintenance reasons.
		
		  Rooms not available: Rooms taken out of inventory for other reasons.
		
		  Rooms sold: Rooms sold #/on books (for future dates).
		
		  Room arrivals: Rooms with arrival on the date (*).
		
		  Room departures: Rooms with departure on the date (*).
		
		  Rooms cancelled: Cancelled rooms with arrival on the date.
		
		  Rooms no-show: No-show rooms on the date.
		
		The following values are Optional:
		
		  Denials: Reservations that were not able to be taken for various reasons (full, LOS, etc.) and rejected.
		
		  Walk-Ins: Guests who have purchased a room without prior booking.
		
		  Early Departures: Guests who have left earlier that registered departure.
		
		  Day Use: rooms that are sold to guests (internal or external) for business use such as meetings, etc.
		
		  Stay Over: Guest who has decided to stay longer than registered.
		
		  Relocation: Guests who are walked to another hotel due to full capacity.
		
		  Complimentary: A room that is not charged to a guest.
		
		(*) In the case of shares with different arrivals and depatures for individuals, the first arrival date and the last departure date should be used for the counts.

Element | @Attribute	Num	Description/Contents
@CountCategoryCode	1	Code value from OpenTravel Alliance Code List Count Category Code (CNT). The following values are to be used: 8: Physical capacity 9: Rooms out of order 10: Room not available 11: Rooms sold 12: Room arrivals 13: Room departures 14: Rooms cancelled 15: Rooms no-show 16: Denials 17: Walk-ins 18: Early departures 19: Day use 20: Stay over 21: Relocation 22: Complimentary
@SummaryCount	1	Amount value for the count code being reported.

Example Message

The sample report below at property level does not show the StatisticsCode element as it is not required.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelStatsNotifRQ.xsd" EchoToken="952698" TimeStamp="2004-12-02T02:30:47-05:00"
Target="Production" Version="1.002" PrimaryLangID="en-us">
    <Statistics>
        <Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2006-06-20" ReportCode=" HTNG_PastDailyPropetyStatistics_v1">
            <StatisticApplicationSets>
                <StatisticApplicationSet Start="2006-06-19">
                    <RevenueCategorySummaries>
                        <RevenueCategorySummary RevenueCategoryCode="17" Amount="10987.50"/>
                    </RevenueCategorySummaries>
                    <CountCategorySummaries>
                        <CountCategorySummary SummaryCount="66" CountCategoryCode="8"/>
                        <CountCategorySummary SummaryCount="1" CountCategoryCode="9"/>
                        <CountCategorySummary SummaryCount="0" CountCategoryCode="10"/>
                        <CountCategorySummary SummaryCount="57" CountCategoryCode="11"/>
                        <CountCategorySummary SummaryCount="28" CountCategoryCode="12"/>
                        <CountCategorySummary SummaryCount="21" CountCategoryCode="13"/>
                        <CountCategorySummary SummaryCount="2" CountCategoryCode="14"/>
                        <CountCategorySummary SummaryCount="1" CountCategoryCode="15"/>
                    </CountCategorySummaries>
                </StatisticApplicationSet>
                <StatisticApplicationSet Start="2006-06-20">
                    <RevenueCategorySummaries>
```

```
                <RevenueCategorySummary RevenueCategoryCode="17" Amount="12947.00"/>
            </RevenueCategorySummaries>
            <CountCategorySummaries>
                <CountCategorySummary SummaryCount="66" CountCategoryCode="8"/>
                <CountCategorySummary SummaryCount="2" CountCategoryCode="9"/>
                <CountCategorySummary SummaryCount="0" CountCategoryCode="10"/>
                <CountCategorySummary SummaryCount="55" CountCategoryCode="11"/>
                <CountCategorySummary SummaryCount="24" CountCategoryCode="12"/>
                <CountCategorySummary SummaryCount="38" CountCategoryCode="13"/>
                <CountCategorySummary SummaryCount="1" CountCategoryCode="14"/>
                <CountCategorySummary SummaryCount="2" CountCategoryCode="15"/>
            </CountCategorySummaries>
        </StatisticApplicationSet>
    </StatisticApplicationSets>
    </Statistic>
  </Statistics>
</OTA_HotelStatsNotifRQ>
```

12.1.4   Past Daily Categorized Reports

The past daily categorized report is sent using the OTA_HotelStatsNotifRQ message.

These reports provide statics categorized; e.g., by Market Segment or Rate Plan, either at the property level or room type level for past activity at the hotel.

Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@Version	1	As per OpenTravel Alliance Specifications.
@TimeStamp	1	Time of the transaction.
OTA_HotelStatsNotifRQ / POS / Source / RequestorID	1	This identifies the system which is sending the statistical data.
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@ID	1	ID is used for the name or ID of the requestor. For example, TrustCRS.
OTA_HotelStatsNotifRQ / Statistics / Statistic	1 .. N	If only sending one report then this element is present once. It is possible to send other reports in the same message by sending this element several times.
@ChainCode	1	Chain code for the hotel. Code value to be agreed by trading partners.
@HotelCode	1	Hotel code for the hotel. Code value to be agreed by trading partners.

Element | @Attribute	Num	Description/Contents
@ReportCode	1	String identifying the predefined report and thus what fields and values are expected.
		The string must be 'HTNG_PastDailySegmentStatistics_v1' for values by market segment, 'HTNG_PastDailyRatePlanStatistics_v1' for values by rate plan, 'HTNG_PastDailySegmentRoomTypeStatistics_v1' for values by market segment and room type, and 'HTNG_PastDailyRatePlanRoomTypeStatistics_v1' for values by rate plan and room type.
@FiscalDate	1	Capture date and time. Indicates the time at which the data was captured.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet	1 ..N	This element represents a "row" in the report.
		For this report N is the number of days in the report, normally 365, time the number of segments in the property.
@Start	1	Date for which the statistics in the sub-elements that follow was collected.
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / StatisticCodes / StatisticCode	1..2	Element with the categories at which the data has been gathered.
		In this report, the first element, always required, is used to identify the category: Market Segment or Rate Plan.
		The second element, if present, is used to identify the room type.
@StatCategoryCode	1	Code value from OpenTravel Alliance Code List Stat Category Code (SCC).
		In the first element, the value is 1 for segments, 2 for rate plans.
		In the second element, the value is 3 for room types.
@StatCode	1	String with the segment or rate plan or room type code from the property.

Element | @Attribute	Num	Description/Contents
OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / RevenueCategorySummaries / RevenueCategorySummary	1..17	Repeating element for each revenue value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		The following values are required:
		Room Revenue: Room only revenue.
		The following values are Optional:
		Food & Beverage Revenue: Food and beverage revenue.
		Total Revenue: Total revenue, must be greater than or equal to the sum of room revenue and food and beverare revenue.
		Golf:
		Laundry:
		Parking:
		Pay per View:
		Service Charge:
		Spa:
		Tax:
		Telephone:
		Tennis:
		Valet:
		Internet Access: Revenue achieved from selling Internet connections via chargeable methods.
		Gaming Revenues: Revenue achieved from any gaming undertaken on property related to guest/room.
		Chauffeur/Cars: Revenue from the use of cars and or chauffeurs for a guest.
		Other: Additional revenue not identified by any of the other categories above.

Element	@Attribute	Num	Description/Contents
@RevenueCategoryCode	1	Code value from OpenTravel Alliance Code List Revenue Category Code (RCC). The following values are to be used: 9: Room Revenue 3: Food & Beverage Revenue 17: Total Revenue 4 : Golf 5 : Laundry 7 : Parking 8 : Pay per View 10 : Service Charge 11 : Spa 12 : Tax 14 : Telephone 15 : Tennis 16 : Valet 18 : Internet Access 19 : Gaming 20 : Chauffeur/Cars 6 : Other
@Amount	1	Amount value for the revenue code being reported.
@Currency	0..1	Currency for the amount transferred for the revenue code being reported, in ISO 4217 codes.

Element | @Attribute	Num	Description/Contents

OTA_HotelStatsNotifRQ / Statistics / Statistic / StatisticApplicationSets / StatisticApplicationSet / CountCategorySummaries / CountCategorySummary	5..12	Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above.
		
		The following values are required:
		
		  Rooms sold: Rooms sold/on books (for future dates).
		
		  Room arrivals: Rooms with arrival on the date (*).
		
		  Room departures: Rooms with departure on the date (*).
		
		  Rooms cancelled: Cancelled rooms with arrival on the date.
		
		  Rooms no-show: No-show rooms on the date.
		
		The following values are Optional:
		
		  Denials: Reservations that were not able to be taken for various reasons (full, LOS, etc.) and rejected.
		
		  Walk-Ins: Guests who have purchased a room without prior booking.
		
		  Early Departures: Guests who have left earlier that registered departure.
		
		  Day Use: rooms that are sold to guests (internal or external) for business use such as meetings, etc.
		
		  Stay Over: Guest who has decided to stay longer than registered.
		
		  Relocation: Guests who are walked to another hotel due to full capacity.
		
		  Complimentary: A room that is not charged to a guest.
		
		(*) In the case of shares with different arrivals and depatures for individuals, the first arrival date and the last departure date should be used for the counts.

@CountCategoryCode	1	Code value from OpenTravel Alliance Code List Count Category Code (CNT). The following values are to be used: 11: Rooms sold 12: Room arrivals 13: Room departures 14: Rooms cancelled 15: Rooms no-show 16: Denials 17: Walk-ins 18: Early departures 19: Day use 20: Stay over 21: Relocation 22: Complimentary
@SummaryCount	1	Amount value for the count code being reported.

Example Message

The sample report below at property level does not show the StatisticsCode element as it is not required.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelStatsNotifRQ.xsd" EchoToken="952698" TimeStamp="2006-06-21T05:30:00-05:00"
Target="Production" Version="1.002" PrimaryLangID="en-us">
   <Statistics>
      <Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2006-06-21" ReportCode="HTNG_PastDailyRatePlanRoomTypeReport_v1">
         <StatisticApplicationSets>
            <StatisticApplicationSet Start="2006-06-19">
               <StatisticCodes>
                  <StatisticCode StatCode="C10" StatCategoryCode="2"/>
                  <StatisticCode StatCode="STD" StatCategoryCode="3"/>
               </StatisticCodes>
               <RevenueCategorySummaries>
                  <RevenueCategorySummary RevenueCategoryCode="17" Amount="1392.75"/>
               </RevenueCategorySummaries>
               <CountCategorySummaries>
                  <CountCategorySummary SummaryCount="11" CountCategoryCode="11"/>
                  <CountCategorySummary SummaryCount="6" CountCategoryCode="12"/>
                  <CountCategorySummary SummaryCount="9" CountCategoryCode="13"/>
                  <CountCategorySummary SummaryCount="2" CountCategoryCode="14"/>
                  <CountCategorySummary SummaryCount="1" CountCategoryCode="15"/>
               </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-19">
               <StatisticCodes>
                  <StatisticCode StatCode="C20" StatCategoryCode="2"/>
                  <StatisticCode StatCode="STD" StatCategoryCode="3"/>
               </StatisticCodes>
               <RevenueCategorySummaries>
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               </RevenueCategorySummaries>
               <CountCategorySummaries>
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                  <CountCategorySummary SummaryCount="12" CountCategoryCode="12"/>
                  <CountCategorySummary SummaryCount="5" CountCategoryCode="13"/>
                  <CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
                  <CountCategorySummary SummaryCount="1" CountCategoryCode="15"/>
               </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-19">
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                  <StatisticCode StatCode="C30" StatCategoryCode="2"/>
                  <StatisticCode StatCode="STD" StatCategoryCode="3"/>
               </StatisticCodes>
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                  <CountCategorySummary SummaryCount="6" CountCategoryCode="12"/>
                  <CountCategorySummary SummaryCount="4" CountCategoryCode="13"/>
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                  <CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
               </CountCategorySummaries>
```

```xml
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-21">
                <StatisticCodes>
                    <StatisticCode StatCode="C10" StatCategoryCode="2"/>
                    <StatisticCode StatCode="DLX" StatCategoryCode="3"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                </RevenueCategorySummaries>
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                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2005-06-19">
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                    <StatisticCode StatCode="DLX" StatCategoryCode="3"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
                </RevenueCategorySummaries>
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                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
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                </CountCategorySummaries>
            </StatisticApplicationSet>
            <StatisticApplicationSet Start="2006-06-19">
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                    <StatisticCode StatCode="C30" StatCategoryCode="2"/>
                    <StatisticCode StatCode="DLX" StatCategoryCode="3"/>
                </StatisticCodes>
                <RevenueCategorySummaries>
                    <RevenueCategorySummary RevenueCategoryCode="17" Amount="0.00"/>
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                    <CountCategorySummary SummaryCount="0" CountCategoryCode="11"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="12"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="13"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
                    <CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
                </CountCategorySummaries>
            </StatisticApplicationSet>
        </Statistic>
    </Statistics>
</OTA_HotelStatsNotifRQ>
```

Chapter 13   Implementation Requirements

13.1   Mandatory Requirements

The following Statistic Message Elements have been deemed Mandatory by HTNG and must be implemented by all trading partners:

Fiscal Date: Date of statistics capture. Often referred to as Capture Date.

Start Date: Date for which the statistics in the sub-elements that follow were collected. Often referred to as the Occupancy Date.

Chain Code

Hotel Code

Report Code ID

Statistic Category code; i.e., Market Segments, Rate plans, Room Types.

Revenue by category code; i.e., Room revenue, Food and Beverage revenue, Total revenue, etc.

Category counts; i.e., Rooms sold, Room arrivals, Room departures, Rooms cancelled, etc.

Physical Capacity

Rooms out of order

Rooms not available

Room revenue (past)

Room arrivals

Room departures

Amount

Rooms sold

13.2   Optional Functionality

The following Statistic Message Elements have been deemed Optional by HTNG and may be implemented following agreement between trading partners:

Room revenue (future)

Total revenue

Food and Beverage revenue

Rooms cancelled

Rooms no-show

Denials

Day Use

Complimentary

Stay Over

Relocation

13.3   External Requirements

13.3.1   Use of TPA Extensions

Trading partners may agree prior to implementation to use additional fields for data not covered in the usage profile, including TPA extensions as per the OpenTravel Alliance specifications schema. Use of any TPA extensions should be documented, where appropriate, in the Certification Application.

Part 4   Groups, Version 1.2

Chapter 14   Acknowledgements

HTNG gratefully acknowledges the contributions of the following people in the development of this document:

Chapter 15   Document Information

15.1   Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles for Group Block Notification Messages for Property Distribution based on the Open Travel Alliance ("OTA") specifications published by this organization.

15.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for Group messages and is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages. This document defines the minimum requirements and expected behavior for trading partners to adhere to the HTNG usage profile and for the partners' messages to be considered for HTNG certification.

15.3   Overview

The HTNG implementation of the OpenTravel Alliance specification for Group Messages is based on the OpenTravel Alliance Message HotelInvBlockNotif RQ and RS messages. The messages in the OpenTravel Alliance specification cover a large number of Optional fields and the same information could be transferred in a number of different fields. In addition, the OpenTravel Alliance specification allows some fields to be Optional that should be required to adhere to the HTNG implementation. In addition, there is room for interpretation for how certain nodes in the OpenTravel Alliance messages should be utilized.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion. In addition, by requiring certain fields and further defining certain fields, partners who integrate based on the HTNG implementation will find their messages more easily reused with other HTNG-based partners.

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

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

15.4   Referenced Documents

The following documents are referenced in this document:

  The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

15.5   Terminology

Table 2 defines terms and acronyms used throughout this document.

Table 2: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance
XML	Extensible Markup Language – This is a general-purpose markup language for creating special- purpose markup languages, capable of describing different kinds of data.

15.6   Assumptions and Dependencies

It is assumed the usage profiles provide a common starting point for the definition of the messages exchanged and that the implementers of these messages will:

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

Miscellaneous

This message is also used for updates to a block and would create a full overlay. If just a rate is changing the implementing partners may use the HotelRatePlanNotifRQ/RS instead of using this full message.

Run of House rooms will be sent as a room type.

15.7   Document History

Date	Version	Author	Section/Nature of Change
28 Dec 05	1.0.0	Juan Gasparini	First draft posted for workgroup review
13 Feb 06	1.0.1	Juan Gasparini	All/Editorial changes from workgroup review
28 Nov 06	1.0.2	Lorie Grant	Changes from workgroup review
13 Aug 07	1.0.3	Francesca Pasetti	Changes from workgroup calls
26 Oct 07	1.0.4	Andrea Campbell	Changes from workgroup calls
2 Dec 07	1.0.5	Andrea Campbell	Changes from workgroup calls
22 Feb 08	1.0.6	Scott Rudberg	Update business process description
17 Mar 08	1.0.7	Andrea Campbell	Added XML Samples
24 Sep 09	1.1		Added Inventory Block Usage Profile

Chapter 16 Usage Profiles

16.1 Basic Block Notification

The basic block notification usage profile covers the simple case in which a system with the ability to define or modify group blocks is notifying other systems of its activity. For example, a Hotel's Sales and Catering system (S&C) would use this message to notify a reservation system, such as a Central Reservation System (CRS), Property Management System (PMS), or Group Reservation System (GRS), when a group block, with inventory, has been finalized (or contracted or held, etc.) and those receiving systems need to create the group block. It is expected that any of the above systems could be the sender of the block message and the other systems the receiver, based on a particular supplier's business process for where group blocks originate or the system of record for those group blocks.

For simplicity of example, the remainder of this section will assume that System A is the originator and System B is the receiver of the block.

The process being facilitated is that of creating or updating a group block from System A to System B. System A will populate the XML message with the appropriate data based on Section 2.2 of this document and the OpenTravel Alliance specification and send that XML in an RQ to a web service endpoint on System B. System B will then process the XML and respond back with the RS XML indicating the results (success, pending, error, etc.) of the processing of the RQ message.

System A (sending) is responsible for ensuring the RQ XML:

Adheres to the OpenTravel Alliance XML schema and it is a valid XML message.

Has properly used the correct codes (e.g., Room Code) that System B can understand.

Provisioned all Mandatory fields.

Transmitted the message to the appropriate URL endpoint specified by System B and uses the appropriate HTNG header (user, password, etc.).

System A (sending) is also responsible for ensuring the received response (RS XML):

The response from System B is logged.

Evaluate errors in the response and take appropriate action (resend, exception report, user notification, etc.).

System B (receiving), upon receiving a message, is responsible for:

Processing the entirety of the XML payload from System A.

Recognizing whether the message is for creation of a block or updating an existing block.

Creating or updating the block including inventory based on the data in the XML.

If an error is encountered in processing the message, to record that error and create an error response.

Transmit a response to the System A indicating the success/error/pending status resulting from the processing of the message.

16.1.1 Scope

This usage profile includes simple group blocks.

It does not include group series with repeating blocks or nested blocks, also known as rolling blocks.

16.2 Create or Update Block Request

16.2.1 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelInvBlockNotifRQ	1	Root element of the message.
@EchoToken	0..1	
@TimeStamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
OTA_HotelInvBlockNotifRQ/InvBlocks/	1	At least one InvBlocks containing 1 InvBlock element should be sent for the message to have meaning.
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock	1…n	At least one InvBlock element should be sent for the message to have meaning. For multiple sub block or attendee types, this could be repeated.
@InvBlockStatusCode	0..1	Refers to OpenTravel Alliance IBS and indicates the status of the block (such as Tentative, Definite, etc.).
@InvBlockCode	1	String to identify the Block as a code using the Group system code convention.
@PMS_InvBlockID	0..1	This is used as a cross reference to the property management system (e.g., PMS Group Master Number).
@InvBlockLongName	0..1	This is the full name of the inventory block.
@RestrictedBookingCodeList	0..1	Enables the user to restrict the type of entities that can book the inventory block. Refers to the UIT OpenTravel Alliance code list. To restrict the inventory block so that only the hotel can book it, this would be set to code 10 = Hotel.
@TransactionAction	1	Enumerated list that describes the action associated to the message. Used to set a new block, modify, cancel, or other action as per enumerated list to be agreed between partners.
@TransactionDetail	0..1	String. Used to specify: Inventory consuming/NOT inventory consuming.
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/HotelRef	1	Not mandatory in OpenTravel Alliance but is Mandatory in the HTNG recommendation. This is the element containing the code of the property whose inventory blocks are being updated.
@HotelCode	1	Not mandatory in OpenTravel Alliance but is Mandatory in the HTNG recommendation. This is the code of the property whose inventory blocks are being updated.
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/InvBlockDates	1	

Element | @Attribute	Num	Description/Contents
@Start	1	Not mandatory in OpenTravel Alliance but is Mandatory in the HTNG recommendation. This is the first day for which the inventory block update is being sent.
@End	1	Not mandatory in OpenTravel Alliance but is Mandatory in the HTNG recommendation. This represent the last date for which the inventory block update is being sent.
@AbsoluteCutoff	0..1	Used to determine when the inventory block is released back into house inventory.
OTA_HotelInvBlockNotifRQ/InvBlocks/InvBlock/RoomTypes/RoomType	1...n	Should be repeated for each room type that is part of the block as it will also contain allocations and rates for the specific room type.
@RoomTypeCode	1	Mandatory. Room type codes of each room type used as part of the block.
OTA_HotelInvBlockNotifRQ/InvBlocks/InvBlock/RoomTypes/RoomType/RoomTypeAllocations	0..n	
@RoomTypePickUpStatus	0..1	Ability to specify Inventory Count Type. (i.e. 1 Physical, 2 Definitive availability, 3 Tentative availability, 4Definite sold, 5Tentative sold
OTA_HotelInvBlockNotifRQ/InvBlocks/InvBlock/RoomTypes/RoomType/RoomTypeAllocations/RoomTypeAllocation	0..n	
@Start	0..1	Used in conjunction with END to determine different number of rooms of a specific type for different dates.
@End	0..1	Used in conjunction with START to determine different number of rooms of a specific type for different dates.
@NumberOfUnits	1	Mandatory. Number of units of a specific type that are allocated as part of the inventory block. Comments have been submitted to Open Travel to allow 0 in this field.
@CompRoomQuantity& @CompRoomFactor	0..1	Used to indicate whether a certain number of rooms are allocated as complimentary and whether they are subject to a certain number of rooms being booked first.
@SellLimit	0..1	This is the contracted quantity or ceiling of inventory which may differ from the NumberOfUnits.
OTA_HotelInvBlockNotifRQ/InvBlocks/InvBlock/RoomTypes/RoomType/RatePlans/RatePlan	0..1	
@RatePlanCode	1	Mandatory. Rate plan used for the inventory block. If no further rate information is included, the rate plan code refers to rate plan information already passed using the OTA_HotelRatePlanNotifRQ message.
@CurrencyCode	0..1	This is the currency associated to the rate assigned to the block– it could be different to the currency loaded for the property.
@NumberOfUnits	0..1	If NO room type allocations are transferred this reflects the number of rooms of the specific type allocated at the specific rate for the block.

Element | @Attribute	Num	Description/Contents
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/ RoomTypes/RoomType/ RatePlans/RatePlanBaseByGuestAmnts	0..1	
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/ RoomTypes/RoomType/ RatePlans/RatePlanBaseByGuestAmnts/ BaseByGuestAmt	1..n	Conditionally Mandatory. AT LEAST 1 INSTANCE FOR NUMBEROFGUESTS=1 is Mandatory if the rate information is being defined in the message. Must be repeated for all different type of occupancies of the specific room. We recommend that for varying rates by occupant should be implemented like this.
@NumberOfGuests	1	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy 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_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/RoomTypes/RoomType/ RatePlans/RatePlan/ AdditionalGuestAmounts / AdditionalGuestAmount	0..n	Used to transfer extra adult and extra child amount.
@AgeQualifyingCode	0..1	AgeQualifyingCode - 8 = child, 10 = adult.
@Percent OR @Amount	0..1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelInvBlockNotifRQ/InvBlocks/ InvBlock/MethodInfo	0..1	
@BillingType	0..1	BillingType is used to indicate charges to be billed to master account (enumeration).
@SignFoodAndBev	0..1	SignFoodAndBev is a Boolean to indicate whether food and drinks should be billed to master account.
@ReservationMethodCode	0..1	ReservationMethodCode indicates the method by which reservations are received.
OTA_HotelInvBlockNotifRQ/ InvBlocks/InvBlock/BlockDescriptions/ BlockDescription/	0..99	BlockDescription can be repeated as necessary to provide additional comments/descriptions on the specific block.
OTA_HotelInvBlockNotifRQ/ InvBlocks/InvBlock/BlockDescriptions/ BlockDescription/Text		

Element | @Attribute	Num	Description/Contents
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact	1..99	This element and its sub-elements can be repeated to include all contact information needed. It is down to implementing partners to agree which contacts would be captured by either system and which contacts should indeed be exchanged.
		At the very least the Group Organizer details should be transferred.
@ContactType	0..1	Indicates the type of contact: Group Organizer Lead Source, Sales manager, Catering manager, Service manager, Travel agency, Company, etc.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /PersonName	0..1	This element and sub-elements will be sent to transfer the name of contacts that are "INDIVIDUAL". To transfer COMPANY/TA details, the OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact/CompanyName path should be used as highlighted below.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /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 Contact's details. This field would be used to pass the contact's name Prefix.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /PersonName/GivenName	0..1	This field would be used to pass the contact's First name.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /PersonName/MiddleName	0..1	This field would be used to pass the contact's Middle name.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /PersonName/Surname	1	If a contact is passed then at least Surname must be passed. This field would be used to pass the contact's Surname.
OTA_HotelInvBlockNotifRQ/InvBlocks /Contacts/Contact /CompanyName	0..1	This element and attributes will be sent to transfer the name of contacts that are "Organizations". To transfer individual details,the OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact/PersonName path should be used as highlighted above.
@CompanyShortName	0..1	Used to provide the Company common name.
@Code	0..1	Identifies the company by the company code.
@CodeContext	0..1	Identifies the context of the identifying code, such as DUNS, IATA, or internal code, SIC, etc.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Telephone	0..5	This field would be used to pass the contact's phone number and fax numbers.

Element | @Attribute	Num	Description/Contents
@PhoneLocationType @PhoneTechType @CountryAccessCode @Area City Code @DefaultInd	0	The PhoneLocationType attribute refers to the OpenTravel Alliance PLT code list and indicates where the phone number is based – the two codes to be used by HTNG are code 7 – Home and code 8 – Office.
		The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone *versus* fax). The two codes to be used by HTNG are code 1 –Voice and code 3 –Fax. 5-Mobile
		CountryAccessCode and Area City Code should be Optional.
		If country code and area code are passed then they should not appear again in the PhoneNumber field.
		DeafultInd is Optional and would indicate whether the phone number is the primary phone number for the profile.
@Phone Number @FormattedInd	1	PhoneNumber contains the actual number as a string of max 32 characters and it is Mandatory.
		FormattedInd is Mandatory. If the partner can use Country and Area codes then formattedInd would be set to NO.
		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 filed contains the entire phone number without a specific format.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact/Email	0..1	Optional. This field would be used to pass the contact's email address.
@EmailType @DefaultInd	0..1	The Email Type attribute uses the OpenTravel Alliance code list EAT and indicates the type of email address provided (personal – code 1 *versus* 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 it can be Optional.
		DeafultInd is Optional and would indicate whether the email is the primary email for the profile.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address	0..1	If a contact is passed then at least one address must be passed. This field would be used to pass the contact's mail address.
@Type	0	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type of address provided (Home – code 1 *versus* business – code 2 or Other – code 3, in the case of the Guest details). If more than one address element is sent, this attribute is required.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address/AddressLine	0..5	This field would be used to pass the contact's address. More than one line can be sent.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address/CityName	0..1	This field would be used to pass the contact's city.

Element | @Attribute	Num	Description/Contents
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address/StateProv		
@StateCode	0..1	This field would be used to pass the contact's State expressed in the Standard 2-8 characters code.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address/PostalCode	0..1	This field would be used to pass the contact's Postal/ZIP code.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /Address/CountryName	0..1	
@Code	0..1	Optional. This field would be used to pass the contact's Country expressed in the Standard ISO 3166 code.
OTA_HotelInvBlockNotifRQ/InvBlocks/ Contacts/Contact /URL	0..5	Web site address of the contact in IETF specified format.

16.3   Update Block Response

16.3.1   Usage Profile Table

Element	Attributes	Description/Contents
OTA_HotelInvBlockNotifRS	EchoToken	Optional.
	Version	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
	TimeStamp	Not mandatory in OpenTravel Alliance but is Mandatory in the HTNG recommendation – time of the transaction.
OTA_HotelInvBlockNotifRS / Errors / Error	Type	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
OTA_HotelInvBlockNotifRS / Errors / Error	Code	Optional. Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
OTA_HotelInvBlockNotifRS / Errors / Error	RecordID	Optional. If the receiving system is able to identify within a batch of inventory blocks messages which specific message failed, the InvBlockCode of the specific inventory that failed should be reported here.
OTA_HotelInvBlockNotifRS / Success		Mandatory in OpenTravel Alliance and in the HTNG recommendations. This is the annotation that the inventory block message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelInvBlockNotifRS / Warnings / Warning	Type	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).

Element	Attributes	Description/Contents
	Code	Optional. Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
	RecordID	Optional. If the receiving system is able to identify within a batch of inventory block messages which specific inventory block failed, the Invenotry Block code of the inventory block that failed should be reported here.
OTA_HotelInvBlockNotifRS / InvBlockCodeRefs / InvBlockCodeRef	InvBlockCode	Optional. Used to reconfirm back to the sending partner the inventory block that was uploaded. It is up to the trading partners whether to use this field.
OTA_HotelInvBlockNotifRS InvBlockCodeRefs / InvBlockCodeRef	InvSystemInvBlockCode	Optional. Used to reconfirm back to the sending partner the inventory block that was uploaded using the code created for that inventory code by the receiving system. It is up to the trading partners whether to use this field.
OTA_HotelInvBlockNotifRS InvBlockCodeRefs / HotelRef	HotelCode	Optional. Used to reconfirm back to the sending partner the hotel for which the inventory block/s were sent.

16.4   Inventory Block

16.4.1   Overview

The Hotel Inventory Block message pair provides the ability for a booking source to request group inventory block status and rate information from a specified hotel property. The request message allows the booking source to resynchronize group block and rates information due to a system outage or if a hotel property is behind a restrictive firewall, the need to request availability is necessary.

The Hotel Inventory Block request message allows a booking source to filter another system for detailed information regarding group inventory. The request message is limited to an individual property for a specified date range and group code identifier. The message can also be filtered by rate plan(s), room type(s), and other group related information.

Based on the criteria specified in the request message, the response message contains the set of inventory controls for the group specified. The Hotel Inventory Block response message is similar to the Hotel Inventory Block Notif request message in that it contains a complex set of controls/rules surrounding the group.

16.4.2   Behavior

The process being facilitated is that of requesting group inventory/block from System A to System B (where system A is generally, but not exclusively, a CRS and system B is generally, but not exclusively, a PMS).

Based on the type of information that needs to be exchanged, System A will select the appropriate usage profile and fill in the XML according to the guidelines provided in the specific profile.

System A will then send the XML to the appropriate webservice set up by System B. System B will respond using the correct response for the selected profile. System A will log the response received from System B.

Behavior expected prior to Transmission
The behavior expected from System A will be:

• Usage of the appropriate profile for the type of information to be sent
• Translation of availability information into codes understood by System B (if required)
• Provision of all fields classed as mandatory in the profile
• Validation of XML message format
• Transmission of the XML to appropriate URL set up by System B using the appropriate identification criteria (soap user and password provided by System B)

Behavior expected upon receipt of response message from Recipient
Once the XML has been processed by System B, System A will need to:
• Keep a log of the response message transmitted back by System B
• Be able to evaluate error responses coming from System B
• React to error responses as need: by modifying the XML and/or ensuring correct mapping tables are used

Behavior expected from Recipient System
Upon receipt of the XML message the behavior expected from System B will be:
• Process XML received by System A
• Return hotel availability data and/or inventory and/or restriction information contained in the XML requested by System A
• If it is not possible to process the message: create an error response as defined in the profile and transmit the response to System A
• Acknowledge successful/unsuccessful processing of the request using the appropriate response message

16.4.3   Usage Profile Table – OTA_HotelInvBlockRQ

Element |@Attribute	Num	Description/Contents
OTA_HotelInvBlockRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Timestamp of the transaction.
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message.
OTA_HotelInvBlockRQ/POS/Source	1	Optional. This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
OTA_HotelInvBlockRQ/POS/Source /Requestor ID	1	The system sending the request message. An identifier of the entity making the request (e.g. ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@Id	1	ID is used for the name or ID of the requestor. For example, Passkey.
OTA_HotelInvBlockRQ/HotelInvBlo ckRequests	1	Collection of Inventory Block requests criteria.
OTA_HotelInvBlockRQ/HotelInvBlo ckRequests/ HotelInvBlockRequest	1	Provides the criteria to identify the date range, inventory blocks and hotels to be returned.

Element |@Attribute	Num	Description/Contents
@SendBookingLimit	0..1	Boolean to request the booking limit to be sent in the response message.
@IncludeAllBlocksAffectingDateRange	0..1	Boolean to request the receiving system to return all blocks that have any date that falls within the requested date range (even if the block's other dates extend outside it) should be returned.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/DateRange	0..1	
@Start, @End	1	The first and last dates for which the request is for. Conditionally mandatory if DateRange element is sent.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock	0..n	
@InvBlockStatusCode	0..1	Refers to OpenTravel Alliance IBS and indicates the status of the block (such as Tentative, Definite, etc...)
@InvBlockCode	1	String to identify the Block as a code using the Group system code convention. Conditionally mandatory.
@PMS_InvBlockID	0..1	This is used as a cross reference to the property management system (e.g. PMS Group Master Number).
@RestrictedBookingCodeList	0..1	Ability to request the type of entities that can book the inventory block. Refers to the UIT OpenTravel Alliance code list. To request the inventory block so that only the hotel can book it, this would be set to code 10 = Hotel.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/HotelRef	1	This it the element containing the code of the property whose inventory blocks are being requested.
@ ChainCode	0..1	Optional. The chain code for which the availability request is for.
@ BrandCode	0..1	Optional. The Brand Code for which the availability request is for.
@ HotelCode	1	This it the code of the property whose availability is being requested.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/InvBlockDates	0..1	
@Start	1	Not mandatory in OpenTravel Alliance but is mandatory in the HTNG recommendation. This is the first day for which the inventory block update is being requested. Conditionally mandatory if InvBlockDates element is present.
@End	1	Not mandatory in OpenTravel Alliance but is mandatory in the HTNG recommendation. This represent the last date for which the inventory block update is being requested. Conditionally mandatory if InvBlockDates element is present.

Element |@Attribute	Num	Description/Contents
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomTypes	0..1	
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType	1.99	This is a specific room type defined within an inventory block. Conditionally mandatory if RoomTypes element is present.
@RoomTypeCode	1	Ability to request room type codes of each room type used as part of the block. Conditionally mandatory if RoomType element is present.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RoomTypeAllocations		This allows for multiple allocations to be blocked for a specific room type.
@RoomTypePickUpStatus	0..1	Ability to specify Inventory Count Type. (i.e. 1 Physical, 2 Definitive availability, 3 Tentative availability, 4Definite sold, 5Tentative sold.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RatePlans	0..1	This allows for multiple rate plans for a specific room type.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RatePlans/RatePlan	0..1	
@RatePlanCode	1	Rate plan used for the inventory block.
OTA_HotelInvBlockRQ/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RatePlans/RatePlan/BaseByGuestAmts	0..1	A collection of base charges by number of guests.

16.4.4 Usage Profile Table – OTA_HotelInvBlockRS

Element |@Attribute	Num	Description/Contents
OTA_HotelInvBlockRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@TimeStamp	1	Timestamp of the transaction.
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message

Element |@Attribute	Num	Description/Contents
OTA_HotelInvBlockRS/Success	1	This is the annotation that the availability request was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelInvBlockRS/Warnings	0..1	Optional.
OTA_HotelInvBlockRS/Warnings/Warning	1..n	
@ Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelInvBlockRS/Errors	1	Errors are returned if the request was unable to be processed.
@ Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelInvBlockRS/InvBlocks		
OTA_HotelInvBlockRS/InvBlocks/HotelRefs		
@ ChainCode	0..1	Optional.
@ BrandCode	0..1	Optional.
@ HotelCode	1	Hotel Code the request was for.
OTA_HotelInvBlockRS/InvBlocks/InvBlocksDates	1	This is used to indicate the date or date range applicable to all inventory blocks in this message.
@Start	1	Start date of requested date.
@End	1	End date of requested date.
@AbsoluteCutoff	0..1	Used to determine when the inventory block is released back into house inventory.
@OffsetDuration	0..1	The units of time, e.g.: days, hours, etc., that apply to the deadline.
@OffsetCalculationMode	0..1	This indicates how the offset period is applied for the release back to general inventory of unbooked rooms in the inventory block.
OTA_HotelInvBlockRS/InvBlocks/InvBlock	0..99	This is for creating a single block at a single hotel.
OTA_HotelInvBlockRS/InvBlocks/InvBlock/HotelRef		
@ ChainCode	0..1	Optional.

Element |@Attribute	Num	Description/Contents
@ BrandCode	0..1	Optional.
@ HotelCode	1	Hotel Code the request was for.
OTA_HotelInvBlockRS/InvBlocks/InvBlock/InvBlockDates		
@Start	1	Start date of requested date.
@End	1	End date of requested date.
@AbsoluteCutoff	0..1	Used to determine when the inventory block is released back into house inventory.
@OffsetDuration	0..1	The units of time, e.g.: days, hours, etc., that apply to the deadline (AbsoluteCutoff).
@OffsetCalculationMode	0..1	This indicates how the offset period is applied for the release back to general inventory of unbooked rooms in the inventory block.
OTA_HotelInvBlockRS/InvBlocks/InvBlock/InvBlockDates/RoomTypes		This allows for multiple room types to be defined within an inventory block.
OTA_HotelInvBlockRS/InvBlocks/InvBlock/InvBlockDates/RoomTypes/RoomType	1..99	
@RoomTypeCode	1	
OTA_HotelInvBlockRS/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RoomTypeAllocations	0..10	This allows for multiple allocations to be blocked for a specific room type.
@RoomTypePickUpStatus	0..1	Ability to specify Inventory Count Type. (i.e. 1Physical, 2 Definitive availability, 3 Tentative availability, 4Definite sold, 5Tentative sold.
OTA_HotelInvBlockRS/HotelInvBlockRequests/ HotelInvBlockRequest/InvBlock/RoomType/RoomTypeAllocations/RoomTypeAllocation	1	
@Start	1	Used in conjunction with END to determine different number of rooms of a specific type for different dates.
@End	1	Used in conjunction with START to determine different number of rooms of a specific type for different dates.
@NumberOfUnits	1	Number of units of a specific type that are allocated as part of the inventory block. Comments have been submitted to Open Travel to allow 0 in this field.
@CompRoomQuantity& @CompRoomFactor	0..1	Used to indicate whether a certain number of rooms are allocated as complimentary and whether they are subject to a certain number of rooms being booked first.
@SellLimit	0..1	This is the contracted quantity or ceiling of inventory which may differ from the NumberOfUnits.
OTA_HotelInvBlockRS/HotelInv	0..1	This allows for multiple rate plans for a specific room type.

Element |@Attribute	Num	Description/Contents
BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans		
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans/RatePla n	0..1	
@RatePlanCode	1	Rate plan used for the inventory block.
@CurrencyCode	0..1	Currency associated to the rate assigned to the block.
@NumberOfUnits	0..1	
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans/RatePla n/BaseByGuestAmts	0..1	A collection of base charges by number of guests.
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans/RatePla n/BaseByGuestAmts/ BaseByGuestAmt	1	Base charge for a given number of guests for a given age qualifying code.
@NumberOfGuests	1..n	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy 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_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans/RatePla n/AdditionalGuestAmounts	0..1	A collection of charges that apply to the for the additional occupants, guests or service users.
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /RoomType/RatePlans/RatePla n/AdditionalGuestAmounts/Ad ditionalGuestAmount	1	
@AgeQualifyingCode	1	AgeQualifyingCode - 8 = child, 10 = adult.

Element |@Attribute	Num	Description/Contents
@Percent OR @Amount	1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /MethodInfo	0..1	
@BillingType	0..1	BillingType is used to indicate charges to be billed to master account (enumeration).
@SignFoodAndBev	0..1	SignFoodAndBev is a Boolean to indicate whether food and drinks should be billed to master account.
@ReservationMethodCode	0..1	ReservationMethodCode indicates the method by which reservations are received.
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /BlockDescriptions	0..1	Collection of free form information about the inventory block.
OTA_HotelInvBlockRS/HotelInv BlockRequests/ HotelInvBlockRequest/InvBlock /BlockDescriptions/BlockDescription	1..99	Used for free form descriptive information about the inventory block.
Text		
@Name	0..99	
OTA_HotelInvBlockRS/InvBlocks/Contacts/		
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact	1..99	This element and its sub elements can be repeated to include all contact information needed. It is down to implementing partners to agree which contacts would be captured by either system and which contacts should indeed be exchanged. At the very least the Group Organizer details should be transferred.
@ContactType	0..1	Indicates the type of contact: Group Organizer Lead Source, sales manager, Catering manager, Service Manager, Travel agency, Company, etc…
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /PersonName	0..1	This element and sub elements will be sent to transfer the name of contacts that are "INDIVIDUAL". To transfer COMPANY/TA details, the OTA_HotelInvBlockRQ/InvBlocks/Contacts/Contact /CompanyName path should be used as highlighted below.
@NamePrefix	0..1	Optional but should be highly recommended by HTNG that partners use it if possible. This path is used to transmit the Contact's details. This field would be used to pass the contact's name Prefix.
@GivenName	0..1	Contact's First Name.
@MiddleName	0..1	Contact's Middle Name.
@Surname	1	If a contact is passed then at least Surname must be passed. This field would be used to pass the contact's Surname.

Element |@Attribute	Num	Description/Contents
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /CompanyName	0..1	This element and attributes will be sent to transfer the name of contacts that are "Organizations". To transfer individual details, the OTA_HotelInvBlockRQ/InvBlocks/Contacts/Contact /PersonName path should be used as highlighted above.
@CompanyShortName	0..1	Used to provide the Company common name.
@Code	0..1	Identifies the company by the company code.
@CodeContext	0..1	Identifies the context of the identifying code, such as DUNS, IATA or internal code, SIC, etc.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Telephone	0..5	If a contact is passed then at least one instance of the PhoneNumber attribute must be passed. This field would be used to pass the contact's phone number and fax numbers. @PhoneLocationType.
@PhoneLocationType @PhoneTechType @CountryAccessCode @Area City Code @DefaultInd	0..1	The PhoneLocationType attribute refers to the OpenTravel Alliance PLT code list and indicates where the phone number is based – the 2 codes to be used by HTNG are code 7 – Home and code 8 – Office. 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. CountryAccessCode and Area City Code should be optional. If country code and area code are passed then they should not appear again in the PhoneNumber field. DeafultInd is optional and would indicate whether the phone number is the primary phone number for the profile.
@Phone Number @FormattedInd	1	PhoneNumber contains the actual number as a string of max 32 characters and it is mandatory. FormattedInd is mandatory. If the partner can use Country and Area codes then formattedInd would be set to NO. 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 filed contains the entire phone number without a specific format.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Email	0..1	Optional. This field would be used to pass the contact's email address.
@EmailType @DefaultInd	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. DeafultInd is optional and would indicate whether the email is the primary email for the profile.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address	0..1	If a contact is passed then at least one address must be passed. This field would be used to pass the contact's mail address.
@Type	0..1	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type

Element |@Attribute	Num	Description/Contents
		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_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address/AddressLine	0…5	This field would be used to pass the contact's address. More than one line can be sent.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address/CityName	0..1	This field would be used to pass the contact's city.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address/StateProv		
@StateCode	0..1	This field would be used to pass the contact's State expressed in the Standard 2-8 characters code.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address/PostalCode	0..1	This field would be used to pass the contact's Postal/ZIP code.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /Address/CountryName	0..1	
@Code	0..1	Optional. This field would be used to pass the contact's Country expressed in the Standard ISO 3166 code.
OTA_HotelInvBlockRS/InvBlocks/Contacts/ Contact /URL	0..5	Web site address of the contact in IETF specified format.

16.5   Example Messages

16.5.1   Example 1 – New Block

Scenario:
System A sends System B the details on a new group block.

Hotel Code:	HXCAIZZ
Group Code:	XMAS08
Group Long Name:	Xmas Group 08
Action:	Book
Status:	Definite
Booking Restrictions:	Hotel Only
Start Date:	Dec 20th 2008
End Date:	Dec 30th 2008
Cut off Date:	Dec 1st 2008
Room Type:	C2T
Rooms Allocated:	25
Complimentary Rooms:	1

Selling Limit: 30
Rate Plan Code: G1
Rate Amount: $100.00
Tax Amount: 5%
Additional Guest Amount: None
Bill to Master: Room and Tax
Reservation Method: Rooming List
Food & Beverage Bill: Individual
Organizer's Name: Patty Lander
Organizer's Company: PartyLand Company
Organizer's Street: LyonerStrasse 40
Organizer's City: Frankfurt
Organizer's State: Germany
Organizer's Phone: 49 69 664 65100
Organizer's email: partyland@parties.com
Organizer's fax: 49 69 664 65101

```xml
<OTA_HotelInvBlockNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvBlockNotifRQ.xsd" Version="3.001" EchoToken="873298472379867896"
TimeStamp="2005-11-17T09:30:47.0Z">
    <InvBlocks>
        <InvBlock  InvBlockStatusCode="2" TransactionAction="Book" InvBlockCode="XMAS08" InvBlockLongName="Xmas Group 08"
RestrictedBookingCodeList="10">
            <HotelRef HotelCode="HXCAIZZ"/>
            <InvBlockDates End="2008-12-30" AbsoluteCutoff="2008-08-13" Start="2008-12-20"/>
            <RoomTypes>
                <RoomType End="2008-12-30" RoomTypeCode="C2T" Start="2008-12-20">
                    <RoomTypeAllocations>
                        <RoomTypeAllocation End="2008-12-30" NumberOfUnits="25" Start="2008-12-20" CompRoomQuantity="1" SellLimit="30"/>
                    </RoomTypeAllocations>
                    <RatePlans>
                        <RatePlan RatePlanCode="G1" NumberOfUnits="25" CurrencyCode="DE">
                            <BaseByGuestAmts>
                                <BaseByGuestAmt NumberOfGuests="1" AmountBeforeTax="100.00" AmountAfterTax="105.00"/>
                            </BaseByGuestAmts>
                            <AdditionalGuestAmounts>
                                <AdditionalGuestAmount AgeQualifyingCode="10"/>
                            </AdditionalGuestAmounts>
                        </RatePlan>
                    </RatePlans>
                </RoomType>
            </RoomTypes>
            <BlockDescriptions>
                <BlockDescription>
                    <Text>The is the block Description</Text>
                </BlockDescription>
            </BlockDescriptions>
            <MethodInfo BillingType="SignRoomAndTax" ReservationMethodCode="2" SignFoodAndBev="false"/>
            <Contacts>
                <Contact ContactType="Organizer">
                    <PersonName>
                        <GivenName>Patty</GivenName>
                        <Surname>Lander</Surname>
```

```
                    </PersonName>
                    <Telephone PhoneLocationType="8" FormattedInd="true" PhoneNumber="49 69 664 65100" PhoneTechType="1"/>
                    <Telephone PhoneLocationType="8" FormattedInd="true" PhoneNumber="49 69 664 65101" PhoneTechType="3"/>
                    <Address Type="0.AAA.X" ShareSynchInd="Yes" RPH="0" FormattedInd="false" ShareMarketInd="Yes" DefaultInd="false"
UseType="0.AAA.X">
                        <Address Type="2">
                            <AddressLine>Lyonerstrasse 40</AddressLine>
                            <CityName>Frankfurt</CityName>
                            <CountryName Code="DE">Germany</CountryName>
                        </Address>
                    </Address>
                    <Email EmailType="2" DefaultInd="true">test@partyland.com</Email>
                    <URL>http://www.partylandcompany.com</URL>
                    <CompanyName CompanyShortName="PartyLand" Code="PLC" CodeContext="IATA">PartyLand Company</CompanyName>
                    <EmployeeInfo EmployeeLevel="String" EmployeeTitle="String" EmployeeId="String" EmployeeStatus="0.AAA.X">String</EmployeeInfo>
                </Contact>
            </Contacts>
        </InvBlock>
    </InvBlocks>
</OTA_HotelInvBlockNotifRQ>
```

16.5.2   Example 2 – Update Message

Scenario:
System A sends System B the updated details on a group block.

Hotel Code:	HXCAIZZ
Group Code:	XMAS08
Group Long Name:	Xmas Group 08
Action:	Book
Status:	Definite
Booking Restrictions:	Hotel Only
Start Date:	Dec 20th 2008
End Date:	Dec 30th 2008
Release Date:	Dec 1st 2008
Room Type:	C2T
Rooms Picked-up:	10
Rooms Allocated:	25
Complimentary Rooms:	1
Selling Limit:	30
Rate Plan Code:	G1
Bill to Master:	Room and Tax
Reservation Method:	Rooming List
Food & Beverage Bill:	Individual
Organizer's Name:	Patty Lander
Organizer's Company:	PartyLand Company
Organizer's Street:	LyonerStrasse 40
Organizer's City:	Frankfurt
Organizer's State:	Germany
Organizer's Phone:	49 69 664 65100
Organizer's email:	partyland@parties.com
Organizer's fax:	49 69 664 65101

```xml
<OTA_HotelInvBlockNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvBlockNotifRQ.xsd" Version="3.001" EchoToken="873298472379867896"
TimeStamp="2005-11-17T09:30:47.0Z">
    <InvBlocks>
        <HotelRef HotelCode="HXCAIZZ"/>
        <InvBlock InvBlockStatusCode="2" TransactionAction="Modify" InvBlockCode="XMAS08" InvBlockLongName="Xmas Group 08"
RestrictedBookingCodeList="10">
            <!-- InvBlockStatusCode = 2 for Definite; RestrictedBookingCodeList = 10 for Hotel -->
            <InvBlockDates Start="2008-12-20" End="2008-12-30" AbsoluteCutoff="2008-12-01"/>
            <RoomTypes>
                <RoomType RoomTypeCode="C2T">
                    <RoomTypeAllocations RoomTypePickUpStatus="10">
                        <RoomTypeAllocation NumberOfUnits="25" CompRoomQuantity="1" SellLimit="30"/>
                    </RoomTypeAllocations>
                    <RatePlans>
                        <RatePlan RatePlanCode="G1">
                        </RatePlan>
                    </RatePlans>
                </RoomType>
            </RoomTypes>
            <MethodInfo BillingType="SignRoomAndTax" ReservationMethodCode="2" SignFoodAndBev="false"/>
            <Contacts>
                <Contact ContactType="Organizer">
                    <PersonName>
                        <GivenName>Patty</GivenName>
                        <Surname>Lander</Surname>
                    </PersonName>
                    <Telephone PhoneNumber="49 69 664 65100" PhoneTechType="1"/>
                    <Telephone PhoneNumber="49 69 664 65101" PhoneTechType="3"/>
                    <Address Type="2">
                        <AddressLine>Lyonerstrasse 40</AddressLine>
                        <CityName>Frankfurt</CityName>
                        <CountryName>Germany</CountryName>
                    </Address>
                    <Email>partyland@parties.com</Email>
                    <CompanyName>PartyLand Company</CompanyName>
                </Contact>
            </Contacts>
        </InvBlock>
    </InvBlocks>
</OTA_HotelInvBlockNotifRQ>
```

16.5.3   Example 3 – Update Block Response

Scenario:
System B sends a response message to System A with a success element and not warnings. It also confirms Systems B's hotel code and block code updated.

```xml
<OTA_HotelInvBlockNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvBlockNotifRS.xsd" Version="2.003" EchoToken="873298472379867896"
TimeStamp="2005-11-17T09:30:47.0Z">
    <Success/>
    <InvBlockCodeRefs>
        <HotelRef HotelCode="HXCAIZZ"/>
```

```xml
                <InvBlockCodeRef InvBlockCode="XMAS08">
                </InvBlockCodeRef>
        </InvBlockCodeRefs>
</OTA_HotelInvBlockNotifRS>
```

16.5.4 Example 4 – Date Rate

Request

The CRS sends a request to hotel ABC123 requesting inventory and rates for the Widgets Annual Sales Meeting group and the Digits Customer Forum group.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SoftBrands"/>
        </Source>
    </POS>
<HotelInvBlockRequests>
        <HotelInvBlockRequest>
            <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
            <InvBlock InvBlockCode="WAM" InvBlockStatusCode="2" />
            <InvBlock InvBlockCode="DCF" InvBlockStatusCode="2" />
        </HotelInvBlockRequest>
</HotelInvBlockRequests>
</OTA_HotelInvBlockRQ>
```

Response

The PMS responds with the list group details requested by the CRS.

Widgets Group
- For the room type STD, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $109.00 for single occupancy and $119.00 for double occupancy.
- For the room type DLX, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $119.00 for single occupancy and $129.00 for double occupancy.
- The group contact name is Mr. James E. Anderson Sr. His telephone number is 714.867.5309 and his fax is 714.867.5310. His mailing address is 26100 Enterprise Way, Lake Forest, CA 92630. His email address is JAH@Widgets.net.

Digits Group
- For the room type STD, for the date of August 15th 20 rooms have been allocated and for the date of August 16th 45 rooms have been allocated at the rate of $109.00 for single occupancy and $119.00 for double occupancy.
- For the room type DLX, for the date of August 15th 20 rooms have been allocated and for the date of August 16th 45 rooms have been allocated at the rate of $119.00 for single occupancy and $129.00 for double occupancy.
- The group contact name is Mr. Norman U. Miller His telephone number is 312.552.8035 and his fax is 312.552.8036. His mailing address is 680 N Lake Shore Dr., Chicago, IL 60611. His email address is num@digits.org.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
```

```xml
        <Success/>
        <InvBlocks>
        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
            <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="WAM" InvBlockName="Widgets Meeting"
InvBlockLongName="Widgets Annual Sales Meeting" InvBlockStatusCode="2" PMS_InvBlockID="1212" TransactionAction="Book">
                    <InvBlockDates Start="2009-07-15" End="2009-07-15" AbsoluteCutoff="2009-06-28"/>
                    <RoomTypes>
                        <RoomType RoomTypeCode="STD">
                            <RoomTypeAllocations>
            <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
            <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                            </RoomTypeAllocations>
                            <RatePlans>
                                <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                    <BaseByGuestAmts>
                                        <BaseByGuestAmt AmountBeforeTax="109.00" NumberOfGuests="1"/>
                                        <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="2"/>
                                    </BaseByGuestAmts>
                                    <MarketCode MarketCode="GROUP" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                                </RatePlan>
                            </RatePlans>
                        </RoomType>
                        <RoomType RoomTypeCode="DLX">
                        <RoomTypeAllocations>
                            <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
                                <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                        </RoomTypeAllocations>
                        <RatePlans>
                            <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                <BaseByGuestAmts>
                                    <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="1"/>
                                    <BaseByGuestAmt AmountBeforeTax="129.00" NumberOfGuests="2"/>
                                </BaseByGuestAmts>
                                <MarketCode MarketCode="VBSSR" MarketCodeName=" Attendees "
CommissionableIndicator="false"/>
                            </RatePlan>
                        </RatePlans>
                    </RoomType>
                </RoomTypes>
                <Contacts>
                    <Contact ContactType="Group Contact">
                        <PersonName>
                            <NamePrefix>Mr.</NamePrefix>
                            <GivenName>James</GivenName>
                            <MiddleName>E.</MiddleName>
                            <Surname>Anderson</Surname>
                            <NameSuffix>Sr.</NameSuffix>
                        </PersonName>
                        <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5309"/>
                        <Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5310"/>
                        <Address>
                            <AddressLine>26100 Enterprise Way</AddressLine>
                            <CityName>Lake Forest</CityName>
```

```xml
                                                <PostalCode>92630</PostalCode>
                                                <StateProv StateCode="CA"/>
                                                <CountryName Code="US"/>
                                        </Address>
                                        <Email>JAH@Widgets.net</Email>
                                </Contact>
                        </Contacts>
                </InvBlock>
                <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="DCF" InvBlockName="Digits Meeting"
InvBlockLongName="Digits Customer Forum" InvBlockStatusCode="2" PMS_InvBlockID="1010" TransactionAction="Book">
                        <InvBlockDates Start="2009-08-15" End="2009-08-15" AbsoluteCutoff="2009-07-28"/>
                        <RoomTypes>
                                <RoomType RoomTypeCode="STD">
                                        <RoomTypeAllocations>
                                                <RoomTypeAllocation Start="2009-08-15" End="2009-08-15" NumberOfUnits="20"/>
                                                <RoomTypeAllocation Start="2009-08-16" End="2009-08-16" NumberOfUnits="45"/>
                                        </RoomTypeAllocations>
                                        <RatePlans>
                                                <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                        <BaseByGuestAmts>
                                                                <BaseByGuestAmt AmountBeforeTax="109.00" NumberOfGuests="1"/>
                                                                <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="2"/>
                                                        </BaseByGuestAmts>
                                                        <MarketCode MarketCode="GROUP" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                                                </RatePlan>
                                        </RatePlans>
                                </RoomType>
                                <RoomType RoomTypeCode="DLX">
                                        <RoomTypeAllocations>
                                                <RoomTypeAllocation Start="2009-08-15" End="2009-08-15" NumberOfUnits="20"/>
                                                <RoomTypeAllocation Start="2009-08-16" End="2009-08-16" NumberOfUnits="45"/>
                                        </RoomTypeAllocations>
                                        <RatePlans>
                                                <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                        <BaseByGuestAmts>
                                                                <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="1"/>
                                                                <BaseByGuestAmt AmountBeforeTax="129.00" NumberOfGuests="2"/>
                                                        </BaseByGuestAmts>
                                                        <MarketCode MarketCode="VBSSR" MarketCodeName=" Attendees "
CommissionableIndicator="false"/>
                                                </RatePlan>
                                        </RatePlans>
                                </RoomType>
                        </RoomTypes>
                        <Contacts>
                                <Contact ContactType="Group Contact">
                                        <PersonName>
                                                <NamePrefix>Mr.</NamePrefix>
                                                <GivenName>Norman</GivenName>
                                                <MiddleName>U.</MiddleName>
                                                <Surname>Miller</Surname>
                                        </PersonName>
                                        <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="312" PhoneNumber="552-8035"/>
```

```xml
                                        <Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="312" PhoneNumber="552-8036"/>
                                        <Address>
                                                <AddressLine>680 N Lake Shore Dr.</AddressLine>
                                                <CityName>Chicago</CityName>
                                                <PostalCode>60611</PostalCode>
                                                <StateProv StateCode="IL"/>
                                                <CountryName Code="US"/>
                                        </Address>
                                        <Email>num@digits.org</Email>
                                </Contact>
                        </Contacts>
                </InvBlock>
            —</InvBlocks>
</OTA_HotelInvBlockRS>
```

16.5.5   Example 5 – Group Block Request for specified dates – include all blocks completely within defined date range

Request
The CRS sends a request to hotel ABC123 requesting inventory and rates for all groups meeting during the period between July 15, 2009 and July 17, 2009. Only those groups whose block exists solely within the requested date range should be returned.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="SoftBrands"/>
                </Source>
        </POS>
        <HotelInvBlockRequests>
                <HotelInvBlockRequest >
                        <DateRange Start="2009-07-15" End="2009-07-17"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                </HotelInvBlockRequest>
        </HotelInvBlockRequests>
</OTA_HotelInvBlockRQ>
```

Response
The PMS responds with the details for the Widgets Annual Sales Meeting, which is meeting during this time.
- For the room type STD, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $109.00 for single occupancy and $119.00 for double occupancy.
- For the room type DLX, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $119.00 for single occupancy and $129.00 for double occupancy.
- The group contact name is Mr. James E. Anderson Sr. His telephone number is 714.867.5309 and his fax is 714.867.5310. His mailing address is 26100 Enterprise Way, Lake Forest, CA 92630. His email address is JAH@Widgets.net.

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

```xml
<OTA_HotelInvBlockRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
        <Success/>
        <HotelInvBlockRequests>
                <HotelInvBlockRequest>
                        <DateRange Start="2009-07-15" End="2009-07-17"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                        <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="WAM" InvBlockName="Widgets Meeting"
InvBlockLongName="Widgets Annual Sales Meeting" InvBlockStatusCode="2" PMS_InvBlockID="1212" TransactionAction="Book">
                                <InvBlockDates Start="2009-07-15" End="2009-07-15" AbsoluteCutoff="2009-06-28"/>
                                <RoomTypes>
                                        <RoomType RoomTypeCode="STD">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
                                                        <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="10900" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="11900" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
                                                                <MarketCode MarketCode="GROUP" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                                                        </RatePlan>
                                                </RatePlans>
                                        </RoomType>
                                        <RoomType RoomTypeCode="DLX">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
                                                        <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="11900" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="12900" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
                                                                <MarketCode MarketCode="VBSSR" MarketCodeName=" Attendees "
CommissionableIndicator="false"/>
                                                        </RatePlan>
                                                </RatePlans>
                                        </RoomType>
                                </RoomTypes>
                                <Contacts>
                                        <Contact ContactType="Group Contact">
                                                <PersonName>
                                                        <NamePrefix>Mr.</NamePrefix>
                                                        <GivenName>James</GivenName>
                                                        <MiddleName>E.</MiddleName>
                                                        <Surname>Anderson</Surname>
                                                        <NameSuffix>Sr.</NameSuffix>
                                                </PersonName>
```

```xml
                                                    <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5309"/>
                                                    <Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5310"/>
                                                    <Address>
                                                            <AddressLine>26100 Enterprise Way</AddressLine>
                                                            <CityName>Lake Forest</CityName>
                                                            <PostalCode>92630</PostalCode>
                                                            <StateProv StateCode="CA"/>
                                                            <CountryName Code="US"/>
                                                    </Address>
                                                    <Email>JAH@Widgets.net</Email>
                                            </Contact>
                                    </Contacts>
                            </InvBlock>
                    </HotelInvBlockRequest>
            </HotelInvBlockRequests>
</OTA_HotelInvBlockRS>
```

16.5.6 Example 6 – Group Block Request for specified dates – include all blocks found during the defined date range

Request

The CRS sends a request to hotel ABC123 requesting inventory and rates for all groups meeting during the period between July 16, 2009 and July 17, 2009. All groups whose blocks have any date that falls within the requested date range (even if the block's other dates extend outside it) should be returned.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05" EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="3.1415926535897932384626433832795">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="SoftBrands"/>
                </Source>
        </POS>
        <HotelInvBlockRequests>
                <HotelInvBlockRequest IncludeAllBlocksAffectingDateRange="1" >
                        <DateRange Start="2009-07-16" End="2009-07-17"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                </HotelInvBlockRequest>
        </HotelInvBlockRequests>
</OTA_HotelInvBlockRQ>
```

Response

The PMS responds with the details for the two groups meeting during this time - Widgets Annual Sales Meeting and the Gizmo Executive Retreat.
Widgets
- For the room type STD, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $109.00 for single occupancy and $119.00 for double occupancy.
- For the room type DLX, for the date of July 15th 50 rooms have been allocated and for the date of July 16th 75 rooms have been allocated at the rate of $119.00 for single occupancy and $129.00 for double occupancy.
- The group contact name is Mr. James E. Anderson Sr. His telephone number is 714.867.5309 and his fax is 714.867.5310. His mailing address is 26100 Enterprise Way, Lake Forest, CA 92630. His email address is JAH@Widgets.net.

Gizmos

- For the room type STD, for the date of July 17th 10 rooms have been allocated and for the date of July 18th 15 rooms have been allocated at the rate of $109.00 for single occupancy and $119.00 for double occupancy.
- For the room type DLX, for the date of July 17th 10 rooms have been allocated and for the date of July 18th 15 rooms have been allocated at the rate of $119.00 for single occupancy and $129.00 for double occupancy.
- The group contact name is Ms. Porcina J. Fowler Her telephone number is 617.939.1800 and her fax is 617.939.1821. Her mailing address is 132 Portland Street, Boston, MA 02114. Her email address is porcina.fowler@gizmos.com.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailGetRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
        <Success/>
        <HotelInvBlockRequests>
                <HotelInvBlockRequest>
                        <DateRange Start="2009-07-16" End="2009-07-17"/>
                        <HotelRef ChainCode="YY" BrandCode="XX" HotelCode="ABC123"/>
                        <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="WAM" InvBlockName="Widgets Meeting"
InvBlockLongName="Widgets Annual Sales Meeting" InvBlockStatusCode="2" PMS_InvBlockID="1212" TransactionAction="Book">
                                <InvBlockDates Start="2009-07-15" End="2009-07-15" AbsoluteCutoff="2009-06-28"/>
                                <RoomTypes>
                                        <RoomType RoomTypeCode="STD">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
                                                        <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="109.00" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
                                                                <MarketCode MarketCode="GROUP" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                                                        </RatePlan>
                                                </RatePlans>
                                        </RoomType>
                                        <RoomType RoomTypeCode="DLX">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-15" End="2009-07-15" NumberOfUnits="50"/>
                                                        <RoomTypeAllocation Start="2009-07-16" End="2009-07-16" NumberOfUnits="75"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="129.00" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
                                                                <MarketCode MarketCode="VBSSR" MarketCodeName=" Attendees "
CommissionableIndicator="false"/>
                                                        </RatePlan>
                                                </RatePlans>
                                        </RoomType>
                                </RoomTypes>
```

```xml
                                <Contacts>
                                        <Contact ContactType="Group Contact">
                                                <PersonName>
                                                        <NamePrefix>Mr.</NamePrefix>
                                                        <GivenName>James</GivenName>
                                                        <MiddleName>E.</MiddleName>
                                                        <Surname>Anderson</Surname>
                                                        <NameSuffix>Sr.</NameSuffix>
                                                </PersonName>
                                                <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5309"/>
                                                <Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="714" PhoneNumber="867-5310"/>
                                                <Address>
                                                        <AddressLine>26100 Enterprise Way</AddressLine>
                                                        <CityName>Lake Forest</CityName>
                                                        <PostalCode>92630</PostalCode>
                                                        <StateProv StateCode="CA"/>
                                                        <CountryName Code="US"/>
                                                </Address>
                                                <Email>JAH@Widgets.net</Email>
                                        </Contact>
                                </Contacts>
                        </InvBlock>
                        <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="GER" InvBlockName="Gizmos Executive Retreat"
InvBlockLongName="Gizmos Executive Retreat" InvBlockStatusCode="2" PMS_InvBlockID="3294" TransactionAction="Book">
                                <InvBlockDates Start="2009-07-17" End="2009-07-18" AbsoluteCutoff="2009-06-28"/>
                                <RoomTypes>
                                        <RoomType RoomTypeCode="STD">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-17" End="2009-07-17" NumberOfUnits="10"/>
                                                        <RoomTypeAllocation Start="2009-07-18" End="2009-07-18" NumberOfUnits="15"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="109.00" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
                                                                <MarketCode MarketCode="GROUP" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                                                        </RatePlan>
                                                </RatePlans>
                                        </RoomType>
                                        <RoomType RoomTypeCode="DLX">
                                                <RoomTypeAllocations>
                                                        <RoomTypeAllocation Start="2009-07-17" End="2009-07-17" NumberOfUnits="10"/>
                                                        <RoomTypeAllocation Start="2009-07-18" End="2009-07-18" NumberOfUnits="15"/>
                                                </RoomTypeAllocations>
                                                <RatePlans>
                                                        <RatePlan CurrencyCode="USD" RatePlanCode="GRP">
                                                                <BaseByGuestAmts>
                                                                        <BaseByGuestAmt AmountBeforeTax="119.00" NumberOfGuests="1"/>
                                                                        <BaseByGuestAmt AmountBeforeTax="129.00" NumberOfGuests="2"/>
                                                                </BaseByGuestAmts>
```

```
                                          <MarketCode MarketCode="VBSSR" MarketCodeName=" Attendees "
CommissionableIndicator="false"/>
                                      </RatePlan>
                                  </RatePlans>
                              </RoomType>
                          </RoomTypes>
                          <Contacts>
                              <Contact ContactType="Group Contact">
                                  <PersonName>
                                      <NamePrefix>Ms.</NamePrefix>
                                      <GivenName>Porcina</GivenName>
                                      <MiddleName>Q.</MiddleName>
                                      <Surname>Fowler</Surname>
                                  </PersonName>
                                  <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="617" PhoneNumber="939-1800"/>
                                  <Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="617" PhoneNumber="939-1821"/>
                                  <Address>
                                      <AddressLine>132 Portland Street</AddressLine>
                                      <CityName>Boston</CityName>
                                      <PostalCode>02114</PostalCode>
                                      <StateProv StateCode="MA"/>
                                      <CountryName Code="US"/>
                                  </Address>
                                  <Email>porcina.fowler@gizmos.com</Email>
                              </Contact>
                          </Contacts>
                      </InvBlock>
                  </HotelInvBlockRequest>
              </HotelInvBlockRequests>
</OTA_HotelInvBlockRS>
```

16.6   FAQ

16.6.1   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.

Part 5   Rates, Version 1.3

Chapter 17 **Acknowledgements**

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Lorie Grant, PAR Springer-Miller Systems

Clive Taylor, EzRMS

Chapter 18   Document Information

18.1   Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles for Reservation Messages for Property Distribution based on the OpenTravel Alliance ("OTA") specifications published by this organization.

18.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for reservation messages and is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

18.3   Overview

The messages in the OpenTravel Alliance specification cover a large number of optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

18.4   Referenced Documents

The following documents are referenced in this document:

The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

18.5   Terminology

Table 3 defines terms and acronyms used throughout this document.

Table 3: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance
XML	Extensible Markup Language – This is a general-purpose markup language for creating special- purpose markup languages, capable of describing different kinds of data.

18.6   Assumptions and Dependencies

It is assumed the usage profiles 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 usage profiles.

3. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release.

Chapter 19   Business Process

19.1   Purpose

This chapter defines the Hotel Technology Next Generation ("HTNG") Business Process for Rate Messages for Property Distribution based on the OpenTravel Alliance specifications published by this organization.

19.2   Scope

This chapter defines minimum requirements and expected behavior of a participating system to assist in the partner certification exercise.

19.3   Overview

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

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

19.4   Rate Processing

Rates are usually managed in one system and passed on to other systems, such as rates being controlled centrally in the CRS and delivered to the Property Management Systems and other distribution channels. However, the rate notification message set, HotelRatePlanNotifRQ/RS, allow for rates to be managed in more than one system and updated in all systems that receive the notification.

As a rate is created, modified, or deactivated in the system that controls rate management a Hotel Rate Plan Notification message is sent to a booking system, indicating whether this is: (1) the initial announcement of a new rate plan, (2) an update of an active (bookable) rate plan, or (3) a notification that a rate plan is no longer in effect and should be deactivated in the booking system. In addition by adding a Group Code, rates specific to a particular group can be passed.

New rate plans and group blocks are broadcast through authorized channels of distribution determined by negotiated business agreements. Viewership is usually set up when a new rate plan code is negotiated and it defines the distribution channel for the rate plan, and the profile of the authorized booker(s). The distribution channels are indicated by a collection of System Codes.

19.4.1   Behavior Expected from the Originating System upon a Rate Creation or Change

Update and display of the rate, including amounts, seasons, and restrictions

Provision of all fields classed as Mandatory in the HTNG Rate Usage Profile

Creation and validation of the XML contained in the HotelRatePlanNotifRQ/RS

Transmission of the XML to the appropriate URL set up by receiving system using the appropriate security

Keep a log of the message transmitted

Ensure proper processing of the response message

19.4.2   Behavior Expected upon Receipt of the Response Message

Once the XML has been processed by the receiving system, a response message will be sent back to the originating system. The originating system will need to perform the following:

Keep a log of the response message received

Be able to evaluate error responses coming from the receiving system

Be able to evaluate warning messages contained in the responses from the receiving system

React to error responses as needed, by modifying the XML and retransmitting if possible

19.4.3   Behavior Expected from the Receiving System upon a Rate Creation or Change

Receive and process the rate message

Ensure that a successful response message is generated and transmitted

If errors were encountered but the message was still processed, verify that the response message contains the appropriate warnings

If a rate translation is needed, ensure that the response message contains the correct RatePlanCrossRef; if no translation is needed the rate should appear in the receiving system with the same code

Verify that the rate can be displayed in the receiving system and shows the correct amount by date range by room type that was sent with proper restrictions

19.5   Mandatory Rate Elements

These Rate Message Elements have been deemed Mandatory by HTNG and support of these are Mandatory for all partners:

Version

Message Content Code

Hotel Code

Rate Plan Code

Rate Plan Notification Type

Start Date

End Date

Is Commissionable Indicator (no longer mandatory)

Rate Plan Name

Rate Plan Description

Minimum Length of Stay restrictions

Maximum Length of Stay restrictions

Currency Code

Room Type

Base Number of Guest (based on message type)

Rate Amount

Support of Multiple Seasons within each Rate Message

Chapter 20   Usage Profiles

20.1   Update Rates

20.1.1   Scope

The update rates usage profile covers the pushing of rate plan definitions from one system to another.

This usage profile includes standard rates, corporate, consortia, and company negotiated rates, promotional rates, and Best Available Rates.

It does not include group rates or package rates, covered in separate usage profiles.

20.2   Update Rate Request

The update rate request is sent using the OTA_HotelRatePlanNotifRQ message.

20.2.1   Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@Timestamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@MessageContentCode	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanNotifRQ / RatePlans	1	Element grouping the rate plans to be transferred.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan	1..n	Element defining rate plan being sent. Upper limit to be agreed by trading partners.
@RatePlanCode	1	This is the rate plan which is being uploaded/downloaded.
@RatePlanCategory	0..1	This is the segment/category to which the rate being uploaded/downloaded belongs. Only one RatePlanCategory is acceptable for RatePlan code; therefore, the RatePlanCategory must be the same for all seasons passed.
@ RatePlanStatusType	0..1	The status of the rate plan – Initial, Active, Deactivated.
@BaseRatePlanCode	0..1	The rate plan this rate plan is derived from.Used for Character Strings, length 1 to 64.
@AdjustedAmount	0..1	The amount which should be added to the base rate plan to determine the price of this derived rate plan.Specifies an amount, max 3 decimals.

Element | @Attribute	Num	Description/Contents
@AdjustedPercentage	0..1	The percentage off the base rate plan amount used to determine the price of this derived rate plan.Used for percentage values.
@AdjustUpIndicator	0..1	When true, the adjusted amount or adjusted percentage is added to the amount specified for the base rate plan to determine the derived rate amount. When false, the adjusted amount or adjusted percentage is subtracted from the amount specified for the base rate plan to determine the derived rate amount.
@ExtraNightRatePlancode	0..1	Used to indicate what rate plan is used for shoulder night(s) booked in addition to the base nights.Used for Character Strings, length 1 to 64.
@YieldDeltaAmount	0..1	Numeric attribute indicating the amount to be added or subtracted to the rate to determine the real "yieldable" value of the rate.
@MarketCode	0..1	String attribute to indicate the market code for the rate. Only one MarketCode is acceptable for RatePlan code; therefore, the MarketCode must be the same for all seasons passed.
@RestrictedDisplayIndicator	0..1	This attribute is a boolean to indicate if the rate is to be considered "Confidential". Only one Confidential attribute is acceptable for each RatePlan code; therefore, the attribute must be the same for all seasons passed.
@RatePlanNotifType	1	This enumeration indicates whether the upload/download is meant to overwrite existing data or add to it. Possible enumerations are: New, Delta, Overlay, Remove.
@Start, @End	1	In general, the Start and End attributes used at the RatePlan level should be used as follows: the Start attribute should be equal to the earliest Start attribute at the Rate level, and the End attribute should be equal to the latest End attribute at the Rate level. In other words, the Start and End attributes at the RatePlan level should specify the entire span of dates representing the Rate elements found in the Rates collection. HOWEVER, the same Start and End attribute or Rate Plan level could be used to indicate the actual seasons of the rate if the two systems integrating using this message intend to transfer some of the elements at rate plan level as season-based elements. For instance, if the two systems are both capable of treating the "Commissionable" indicator as a seasonal item rather than an item that applies to the entire rate. If the Start and End attribute at rate plan level are used to indicate each season, the Start and End attribute at rate level WOULD ONLY BE USED in case of DOW variations – if no DOW variation is needed the Start and end attributes at Rate level could be omitted.
@InventoryAllocatedInd	0..1	Boolean attribute to indicate whether the inventory allocated to this rate is taken out of the house inventory. Only one InvBlock indicator is acceptable for RatePlan code; therefore, the InvBlock indicator must be the same for all seasons passed.
@IsCommissionable	0..1 (was 1)	This indicates whether the rate season is commissionable or not. If the Boolean is sent as False, the rate season is not commissionable. If the Boolean is set to "True", but NO commission is sent in the commission element, then the commission to be applied is the default one for the property. If the Boolean is set to True and a commission is passed in the field then the commission sent is the one applied to the rate season.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Description	2	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.
@Name	1	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.
		Its value must be 'Short decription' in one instance and 'Long Description' in the other.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Description / Text	1	This element inside the Description element described above has the actual text corresponding to the long and short description of the rate being uploaded/downloaded.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / UniqueID	0..1 (was 1)	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single rate plan message for error reporting purposes.
@ID	1	ID is a unique incremental number for each rate plan message that identifies that specific message.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Commission	0..1	
@Percent	0..1	This is the amount of commission paid to an agency for booking the rate that is being uploaded/downloaded.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules	0..1	Optional. Used to transfer booking rules.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule	1	Mandatory if BookingRules is transferred.
@MinAdvancedBookingOffset	0..1	This is the minimum amount of days prior to arrival that the rate can be booked.
@MaxAdvancedBookingOffset	0..1	This is the maximum amount of days prior to arrival that the rate can be booked.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay	0..1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay / LengthOfStay	1..n	

Element | @Attribute	Num	Description/Contents
@MinMaxMessageType =SetMinLOS, @Time @TimeUnit	0..1	This is the minimum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
@MinMaxMessageType =SetMaxLOS, @Time @TimeUnit	0..1	This is the maximum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / AvailableDaysOfWeek	0..1	Element ot transfer DOW when stay is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators selected are those in which the rate plan is available and therefore could be used to reflect when STAY is possible. Days marked as 0 (boolean) would mean on those days the rate is not available and therefore stay would not be possible. If one DOW indicator is used they must all be used.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / ArrivalDaysOfWeek	0..1	Element ot transfer DOW when arrival is possible.
@Mon,@Tue,@Weds,@Thur,@ Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which Arrival is allowed. Those set to 0 are the days in which arrival is not allowed.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / InventoryInfo	0..1	Allows specification of a room type to be used in conjunction with the rate plan being communicated. This will allow communication of booking rules by product.
@InvTypeCode	1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships	0..n	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership /	1	Path to BookingChannelCodes.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes /	0..1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes / BookingChannelCode	0..n	This would be used to indicate which Channels are allowed to view and book the rate. Could be substituted with SystemCode.
@Sort	0..1	The attribute "sort" can be associated to each code. Must be a string where we can pass C for closed as well as a selling order.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates	0..1	Includes all rates loaded for the rate plan.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate	1..n	Upper limit may be agreed upon partners.
@Start, @End	0..1	This set of Start and End attribute represent the start and end of each season which is being transferred with the rate. HOWEVER, if the Start and End attribute at rate plan level are used to indicate each season, the Start and End attribute at rate level WOULD ONLY BE USED in case of DOW variations – if no DOW variation is needed the Start and end attributes at Rate level could be omitted.
@CurrencyCode	1	This is the currency associated to the rate that is being uploaded/downloaded – it could be different to the currency loaded for the property.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	These DOW indicators are used to specify to which days the rate passed is applicable. If one is sent, they must all be sent and rates must be sent for each exception. If there is an exception to the pricing DOW indicators must be passed and the Rate element is then repeated for the exception days. Exceptions to the pricing are only allowed if no stay or arrival restrictions have been applied.
@InvTypeCode	1	This is the room type for which the rates are transferred. For each room type a new instance of the Rate element must be passed. If the room type is transmitted with rate values attached it will be considered opened at the price indicated. If the room type is passed with a 0 value it will be considered closed for that rate plan (i.e., not applicable for the rate plan). If in a modification message a room type that was previously loaded is Not sent, then it remains unchanged.
@Status	0..1	This is used to indicate for each room code passed for the rate whether it is opened or closed. Default value to be agreed by partners.

Element | @Attribute	Num	Description/Contents
@RateTimeUnit, @UnitMultiplier	0..1	If NOT sent the default assumed is always 1 day (i.e., the rate is based on a nightly rate). Rate Time unit is an Enumeration of time units upon which the RateAmount is based (e.g., daily, weekly, single rate for full stay). UnitMultiplier is the number of RateTimeUnits that the rate Amount is based upon (e.g., rate for one day in case of nightly rates).
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate / BaseByGuestAmnts / BaseByGuestAmt	1..n	~~AT LEAST 1 INSTANCE FOR NUMBEROFGUESTS=1 is Mandatory.~~ At least one instance for NumberOfGuest=1 is mandatory for the RatePlanNotifType = New or Overlay. For the RatePlanNotifType of Delta or Remove it is optional
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@NumberOfGuests	1	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy rate.
@AgeBucket	0..1	This value may be included to identify the age bucket that the rate amount corresponds to.
@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_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount	0..n	Used to transfer extra adult and extra child information.
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@AgeBucket	0..1	This value may be included to identify the age bucket that the rate amount corresponds to.
@Percent OR @Amount	0..1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee	0..1	Linked to Total Pricing – used to pass all Tax and fees info.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee	1..n	Repeatable once per fee.
@Type	0..1 per Fee	An enumeration to indicate whether the fee is inclusive, exclusive, or cumulative.

Element | @Attribute	Num	Description/Contents
@Code	0..1 per Fee	The Code attribute refers to the OpenTravel Alliance FeeTaxType code list and is used to indicate what fee is being transferred. Code used will be: 17– Total Tax 16 – Surcharge 14 – Service charge 27 – Miscellaneous 19 – VAT/GST Tax 8 – Lodging tax 15 – State tax 3 – City tax 10 – Occupancy tax 34 – Local Fee A request has been made to OpenTravel Alliance for the MPT list to be accessible from the same attribute so that meal plan info can also be passed in the same field.
@Amount OR @Percent	1 per Fee	Either @Amount or @Percent is Mandatory.
@Charge Unit	0..1	Charge Unit is used to indicate the unit of measure of the fee/tax passed: Based on the OTACharge Type code list, some examples are: 18 - Per room per stay 19 - Per room per night 20 - Per person per stay 21 - Per person per night
@CurrencyCode	0..1	
@MandatoryIndicator	0..1	MandatoryIndicator is a boolean Attribute. This will indicate if the fee or meal plan passed is Mandatory or not and will help in the determination of the calculation for total pricing.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description	0..1	Linked to Total Pricing – used to pass all tax and fees info. For fees and tax that are not OpenTravel Alliance coded, Description/Text will be used to indicate the fee that is being passed. Only one description allowed for each fee element.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description / Text	1	Description of the fee.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties /	0..1	Used to transfer the Cancellation penalty for the rate plan transferred.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty	0..1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline	0..1	
@AbsoluteDeadline	0..1	This is used to indicate the "exact date" or "exact date and time" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline		This is used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
		The following three attributes are used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
@OffsetDropTime	0..1	An enumeration to indicate BeforeArrival or AfterBooking.
@OffsetUnitMultiplier	0..1	a numeric to indicate the number of hours or days by which to cancel.
@OffsetTimeUnit	0..1	An enumeration to indicate whether we are talking about hours or days. Possible enumerations for OpenTravel Alliance are various BUT RECOMMENDED ENUMERATIONS to be used by HTNG should only be: Hour and Day.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / AmountPercent	1	Conditionally Mandatory. If a Deadline is passed, then an AmountPercent must also be indicated using the appropriate attribute.
@NmbrOfNights OR @Amount OR @Percent	1	Conditionally Mandatory.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees /	0..1	This is used to transfer Guarantee AND/OR Deposit policies for the rate.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee	1..n	This is used to indicate the specific Guarantee AND/OR Deposit policy for the rate.
@GuaranteePolicyType	0..1	To pass a Guarantee policy, the GuaranteeType attribute will be set to GuaranteeRequired. To pass a deposit it will be set to DepositRequired.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted	1	Conditionally Mandatory - if GuaranteeType is passed.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted	1	Mandatory.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Mandatory.
@GuaranteeCode	1	The Code associated to the guarantee or deposit. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
@CardType	1	Used to indicate that the deposit or guarantee must be provided by credit card. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteeDescription / Text	0..1	

Element | @Attribute	Num	Description/Contents
@GuaranteeCode	0..1	Goes with the GuaranteeCode attribute and describes the Guarantee or Deposit requirement. For instance: GuaranteeCode = GCD, GuranteeDescription/Text = Guarantee by Corporate ID GuaranteeCode = DDP, GuranteeDescription/Text = Deposit by Check,Transfer

20.2.2 Example Message

Scenario:
CRS "123" needs to transmit the following Rate download to PMS "ABC"

Message Type	Rate
Hotel Code	HXCAIZZ
Rate plan	SR
Rate segment	S
Yieldable	Y
Inventory Block	No
MarkeCode	Test1
Start date:	Jan 1st 2006
End date:	Jan 31st 2006
Short Description	Special Rate January 06
Long Description	rate includes complimentary daily newspaper
Commission Percentage	8.50
Min LOS	1
Max LOS	3
Min adv Booking req	7
Max adv Booking req	14
Stay Allowed	Thu-Fri-Sat-Sun
Arrival allowed	Thu-Fri
Channel allowed	Voice only
Currency	Euro
Yield value	-20.00
Child rate percentage	50
Guarantee	Guarantee by CC required
Cancellation	Cancellation 1 day prior to arrival
Cancellation penalty	1 night
Taxes - VAT	17.50% incl.
Surcharges	Flat fee of EUR 5.00 per person per night excl. Mandatory
Breakfast	15.00 per person per day excl. Not Mandatory
Exception days	None
Room Type:	A1K
Single price:	100.00
Full price:	180.00
Extra bed price	30
Status:	Open
Room Type:	A2T
Single price:	120.00
Full price:	200.00
Extra bed price	50

```xml
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRQ.xsd" Version="1.001" EchoToken="000" TimeStamp="2005-08-
03T09:30:47-05:00" MessageContentCode="8">
        <!-- MessageContentCode=8 for Rate Update -->
        <RatePlans HotelCode="HXCAIZZ">
                <RatePlan RatePlanNotifType="New" RatePlanCode="SR" RatePlanCategory="S" Start="2006-01-01" End="2006-01-31"
CurrencyCode="EUR" YieldableIndicator="true" MarketCode="Test1" InventoryAllocatedInd="false" IsCommissionable="1">
                        <BookingRules>
                                <BookingRule MinAdvancedBookingOffset="P7D" MaxAdvancedBookingOffset="P14D">
                                        <AcceptableGuarantees>
                                                <AcceptableGuarantee GuaranteePolicyType="GuaranteesRequired" GuaranteeCode="GCC">
                                                        <GuaranteesAccepted>
                                                                <GuaranteeAccepted>
                                                                        <PaymentCard CardType="1"/>
                                                                </GuaranteeAccepted>
                                                        </GuaranteesAccepted>
                                                        <GuaranteeDescription>
                                                                <Text>Guarantee by credit card</Text>
                                                        </GuaranteeDescription>
                                                </AcceptableGuarantee>
                                        </AcceptableGuarantees>
                                        <CancelPenalties>
                                                <CancelPenalty>
                                                        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival" OffsetUnitMultiplier="1"/>
                                                        <AmountPercent NmbrOfNights="1">
                                                        </AmountPercent>
                                                </CancelPenalty>
                                        </CancelPenalties>
                                        <InventoryInfo InvTypeCode="King"/>
                                        <LengthsOfStay>
                                                <LengthOfStay MinMaxMessageType="SetMinLOS" Time="1" TimeUnit="Day">
                                                </LengthOfStay>
                                                <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="3" TimeUnit="Day">
                                                </LengthOfStay>
                                        </LengthsOfStay>
                                        <DOW_Restrictions>
                                                <AvailableDaysOfWeek Sun="1" Sat="1" Tue="0" Mon="0" Fri="1" Weds="0" Thur="0"/>
                                                <ArrivalDaysOfWeek Sun="0" Sat="0" Tue="0" Mon="0" Fri="1" Weds="0" Thur="1"/>
                                        </DOW_Restrictions>
                                        <Viewerships>
                                                <Viewership>
                                                        <BookingChannelCodes>
                                                                <BookingChannelCode Sort="0">VC</BookingChannelCode>
                                                        </BookingChannelCodes>
                                                </Viewership>
                                        </Viewerships>
                                </BookingRule>
                        </BookingRules>
                        <Rates>
                                <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="A2T" Sun="1" Sat="1" Tue="1" Fri="1" Mon="1"
CurrencyCode="EUR" Weds="1" Thur="1">
                                        <BaseByGuestAmts>
                                                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="120.00">
                                                </BaseByGuestAmt>
```

```xml
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="200.00">
                                        </BaseByGuestAmt>
                                    </BaseByGuestAmts>
                                    <AdditionalGuestAmounts>
                                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                        </AdditionalGuestAmount>
                                        <AdditionalGuestAmount Amount="50.00" AgeQualifyingCode="10">
                                        </AdditionalGuestAmount>
                                    </AdditionalGuestAmounts>
                                </Rate>
                                <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="A1K" Sun="1" Sat="1" Tue="1" Fri="1" Mon="1"
CurrencyCode="EUR" Weds="1" Thur="1">
                                    <BaseByGuestAmts>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="100.00">
                                        </BaseByGuestAmt>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="180.00">
                                        </BaseByGuestAmt>
                                    </BaseByGuestAmts>
                                    <AdditionalGuestAmounts>
                                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                        </AdditionalGuestAmount>
                                        <AdditionalGuestAmount Amount="30.00" AgeQualifyingCode="10">
                                        </AdditionalGuestAmount>
                                    </AdditionalGuestAmounts>
                                </Rate>
                            </Rates>
                            <RatePlanLevelFee>
                                <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="EUR" MandatoryIndicator="true">
                                </Fee>
                                <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="EUR" MandatoryIndicator="true">
                                </Fee>
                                <Fee ChargeUnit="21" Type="Exclusive" Amount="15.00" CurrencyCode="EUR" MandatoryIndicator="false">
                                    <Description>
                                        <Text>Breakfast charge</Text>
                                    </Description>
                                </Fee>
                            </RatePlanLevelFee>
                            <Commission Percent="8.50"/>
                            <Description Name="Short description">
                                <Text>Special Rare January 2006</Text>
                            </Description>
                            <Description Name="Long description">
                                <Text>rate includes complimentary daily newspaper</Text>
                            </Description>
                        </RatePlan>
                </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.3 Update Rate Response

The update rate response is sent using the OTA_HotelRatePlanNotifRS message.

20.3.1 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@Timestamp	1	Time of the transaction.
OTA_HotelRatePlanNotifRS / Errors	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanNotifRS / Errors / Error	1..99	Mandatory.
@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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelRatePlanNotifRS / Success	1	This is the annotation that the rate plan message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelRatePlanNotifRS / Warnings	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanNotifRS / Warnings / Warning	1..99	Mandatory.
@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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

20.3.2 Example Message

Scenario:
PMS "ABC" sends CRS "123" a response indicating the update was processed successfully.

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2005-08-03T09:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.4   Example 1 – New

The Seaside Village Hotel needs to notify their voice call center of a new rate offering at the hotel. The rate plan has multiple effective time periods where the rate values varies on different days of the week, the rate plan has booking rules, guarantee requirements, taxes, additional fees and cancellation policies.

- From July 17, 2009 through July 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows
    o Friday - Saturday
        - Single Occupancy - $150.00 USD
        - Double Occupancy- $200.00 USD
        - Triple Occupancy - $250.00 USD
        - Quadruple Occupancy - $300.00 USD
        - Additional Adult - $25.00 USD
        - Additional Child - $10.00 USD
    o Sunday – Thursday
        - Single Occupancy - $200.00 USD
        - Double Occupancy- $250.00 USD
        - Triple Occupancy - $300.00 USD
        - Quadruple Occupancy - $350.00 USD
        - Additional Adult - $25.00 USD
        - Additional Child - $10.00 USD
- From August 1, 2009 through October 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows
    o Sunday – Saturday
        - Single Occupancy - $125.00 USD
        - Double Occupancy- $150.00 USD
        - Triple Occupancy - $175.00 USD
        - Quadruple Occupancy - $200.00 USD
        - Additional Adult - $10.00 USD
        - Additional Child - $8.00 USD
- The Travel Agent commission is 8.5 %
- The minimum length of stay is one night and the maximum is 10 nights.
- The minimum advance booking required is 7 days and the maximum is 14 days
- The guest is allowed to stay any day of the week
- The guest is allowed to arrive on any day of the week
- The Yield value is 20.00
- The reservation must be guaranteed by credit card
- The reservation must be cancelled one day before arrival with no penalty. Within one day, one night charge
- VAT if 17.50% is included
- The flat fee of $5.00 USD is additional person per night
- Breakfast is offered at the additional fee of $15.00 USD person per night

20.4.1 OTA_HoteRatePlanNotifRQ

```xml
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1257970857127">
    <RatePlans HotelCode="ABC123">
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RatePlanStatusType="Initial " YieldableIndicator="true" MarketCode="XX" InventoryAllocatedInd="false" IsCommissionable="1">
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            <BookingRule MinAdvancedBookingOffset="P7D" MaxAdvancedBookingOffset="P14D">
                <AcceptableGuarantees>
                    <AcceptableGuarantee GuaranteePolicyType="GuaranteesRequired" GuaranteeCode="GCC">
                        <GuaranteesAccepted>
                            <GuaranteeAccepted>
                                <PaymentCard CardType="1"/>
                            </GuaranteeAccepted>
                        </GuaranteesAccepted>
                        <GuaranteeDescription>
                            <Text>Guarantee by credit card</Text>
                        </GuaranteeDescription>
                    </AcceptableGuarantee>
                </AcceptableGuarantees>
                <CancelPenalties>
                    <CancelPenalty>
                        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival" OffsetUnitMultiplier="1"/>
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                        </AmountPercent>
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                    </LengthOfStay>
                </LengthsOfStay>
                <DOW_Restrictions>
                    <AvailableDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
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                </DOW_Restrictions>
                <Viewerships>
                    <Viewership>
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                        </BookingChannelCodes>
                    </Viewership>
                </Viewerships>
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        </BookingRules>
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Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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```

```xml
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                    </AdditionalGuestAmounts>
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                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
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                    </AdditionalGuestAmounts>
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Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
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                    </AdditionalGuestAmounts>
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
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                    </BaseByGuestAmts>
```

```xml
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
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Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
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                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
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                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
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            </Rates>
        </RatePlan>
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MarketCode="XX">
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Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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```

```xml
                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="175.0000"/>
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            </BaseByGuestAmts>
            <AdditionalGuestAmounts>
                <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="10"/>
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            </AdditionalGuestAmounts>
        </Rate>
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Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="150.0000"/>
                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="175.0000"/>
                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="200.0000"/>
            </BaseByGuestAmts>
            <AdditionalGuestAmounts>
                <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="10"/>
                <AdditionalGuestAmount Amount="5.0000" AgeQualifyingCode="8"/>
            </AdditionalGuestAmounts>
        </Rate>
        <Rate InvTypeCode="DXLKG" Start="20090801" End="20091031" Weds="true" Tue="true" Thur="true" Sun="true" Sat="true" Mon="true"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="150.0000"/>
                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="175.0000"/>
                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="200.0000"/>
            </BaseByGuestAmts>
            <AdditionalGuestAmounts>
                <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="10"/>
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            </AdditionalGuestAmounts>
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                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="175.0000"/>
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            </BaseByGuestAmts>
            <AdditionalGuestAmounts>
                <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="10"/>
                <AdditionalGuestAmount Amount="5.0000" AgeQualifyingCode="8"/>
            </AdditionalGuestAmounts>
        </Rate>
    </Rates>
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        <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="USD" MandatoryIndicator="true">
        </Fee>
        <Fee ChargeUnit="21" Type="Exclusive" Amount="15.00" CurrencyCode="USD" MandatoryIndicator="false">
```

```
            <Description>
                <Text>Breakfast charge</Text>
            </Description>
        </Fee>
    </RatePlanLevelFee>
    <Commission Percent="8.50"/>
    <Description Name="Triple A Rate Plan.">
        <Text>Valid ID is required upon check-in</Text>
    </Description>
    </RatePlan>
  </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.4.2   OTA_HoteRatePlanNotifRS

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.5   Example 2 – Delta

The Seaside Village Hotel added a new effective period to the Triple A rate plan and needs to notify their voice call center of this change. All other information regarding the rate plan is remaining the same therefore the RatePlanNotifType of 'Delta' is sent rather than an Overlay.

- From November 1, 2009 through December 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows
    - Friday - Saturday
        - Single Occupancy - $150.00 USD
        - Double Occupancy- $200.00 USD
        - Triple Occupancy - $250.00 USD
        - Quadruple Occupancy - $300.00 USD
        - Additional Adult - $25.00 USD
        - Additional Child - $10.00 USD
    - Sunday – Thursday
        - Single Occupancy - $200.00 USD
        - Double Occupancy- $250.00 USD
        - Triple Occupancy - $300.00 USD
        - Quadruple Occupancy - $350.00 USD
        - Additional Adult - $25.00 USD
          Additional Child - $10.00 USD

20.5.1   OTA_HoteRatePlanNotifRQ

```
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1257970857127">
    <RatePlans HotelCode=" ABC123">
```

```xml
      <RatePlan RatePlanNotifType="Delta" RatePlanCode="AAA" Start="20091110" End="2009-12-31" CurrencyCode="USD" RatePlanStatusType="Active">
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                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
               </BaseByGuestAmts>
               <AdditionalGuestAmounts>
                  <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
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               </AdditionalGuestAmounts>
            </Rate>
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                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
               </BaseByGuestAmts>
               <AdditionalGuestAmounts>
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               </AdditionalGuestAmounts>
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                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
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               <AdditionalGuestAmounts>
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               </AdditionalGuestAmounts>
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                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                  <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
               </BaseByGuestAmts>
               <AdditionalGuestAmounts>
                  <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                  <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
               </AdditionalGuestAmounts>
```

```xml
            </Rate>
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Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DXLKG" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="200.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
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Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="150.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="300.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DXLQN" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="200.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="300.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="350.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
        </Rates>
```

```
            <Description Name="Triple A Rate Plan.">
                <Text>Valid ID is required upon check-in</Text>
            </Description>
        </RatePlan>
    </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.5.2   OTA_HoteRatePlanNotifRS

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.6   Example 3 – Overlay

The Seaside Village Hotel increased their rate values over all effective time periods and needs to notify their voice call center of this change. In this case they send an overlay of the entire rate plan.

- From July 17, 2009 through July 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows
    - Friday - Saturday
        - Single Occupancy - $175.00 USD
        - Double Occupancy- $225.00 USD
        - Triple Occupancy - $275.00 USD
        - Quadruple Occupancy - $325.00 USD
        - Additional Adult - $25.00 USD
        - Additional Child - $10.00 USD
    - Sunday – Thursday
        - Single Occupancy - $225.00 USD
        - Double Occupancy- $275.00 USD
        - Triple Occupancy - $325.00 USD
        - Quadruple Occupancy - $375.00 USD
        - Additional Adult - $25.00 USD
        - Additional Child - $10.00 USD
- From August 1, 2009 through October 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows
    - Sunday – Saturday
        - Single Occupancy - $150.00 USD
        - Double Occupancy- $200.00 USD
        - Triple Occupancy - $275.00 USD
        - Quadruple Occupancy - $250.00 USD
        - Additional Adult - $20.00 USD
        - Additional Child - $10.00 USD
- From November 1, 2009 through December 31, 2009 the rate values for the room types DBL, KING, DXLKG and DXLQN are as follows

  - o Friday - Saturday
    - ▪ Single Occupancy - $225.00 USD
    - ▪ Double Occupancy- $250.00 USD
    - ▪ Triple Occupancy - $325.00 USD
    - ▪ Quadruple Occupancy - $375.00 USD
    - ▪ Additional Adult - $20.00 USD
    - ▪ Additional Child - $10.00 USD
  - o Sunday – Thursday
    - ▪ Single Occupancy - $215.00 USD
    - ▪ Double Occupancy- $265.00 USD
    - ▪ Triple Occupancy - $315.00 USD
    - ▪ Quadruple Occupancy - $365.00 USD
    - ▪ Additional Adult - $20.00 USD
    - ▪ Additional Child - $10.00 USD

- • The Travel Agent commission is 8.5 %
- • The minimum length of stay is one night and the maximum is 10 nights.
- • The minimum advance booking required is 7 days and the maximum is 14 days
- • The guest is allowed to stay any day of the week
- • The guest is allowed to arrive on any day of the week
- • The Yield value is 20.00
- • The reservation must be guaranteed by credit card
- • The reservation must be cancelled one day before arrival with no penalty. Within one day, one night charge
- • VAT if 17.50% is included
- • The flat fee of $5.00 USD is additional person per night
- • Breakfast is offered at the additional fee of $15.00 USD person per night

20.6.1 OTA_HoteRatePlanNotifRQ

```
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1257970857127">
   <RatePlans HotelCode="ABC123">
      <RatePlan RatePlanNotifType="Overlay" RatePlanCode="AAA" RatePlanCategory="DISC" Start="20090717" End="2009-12-31" CurrencyCode="USD"
RatePlanStatusType="Active "YieldableIndicator="true" MarketCode="XX" InventoryAllocatedInd="false" IsCommissionable="1">
      <BookingRules>
            <BookingRule MinAdvancedBookingOffset="P7D" MaxAdvancedBookingOffset="P14D">
               <AcceptableGuarantees>
                  <AcceptableGuarantee GuaranteePolicyType="GuaranteesRequired" GuaranteeCode="GCC">
                     <GuaranteesAccepted>
                        <GuaranteeAccepted>
                           <PaymentCard CardType="1"/>
                        </GuaranteeAccepted>
                     </GuaranteesAccepted>
                     <GuaranteeDescription>
                        <Text>Guarantee by credit card</Text>
                     </GuaranteeDescription>
                  </AcceptableGuarantee>
               </AcceptableGuarantees>
```

```xml
                    <CancelPenalties>
                        <CancelPenalty>
                            <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival" OffsetUnitMultiplier="1"/>
                            <AmountPercent NmbrOfNights="1">
                            </AmountPercent>
                        </CancelPenalty>
                    </CancelPenalties>
                    <LengthsOfStay>
                        <LengthOfStay MinMaxMessageType="SetMinLOS" Time="1" TimeUnit="Day">
                        </LengthOfStay>
                        <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day">
                        </LengthOfStay>
                    </LengthsOfStay>
                    <DOW_Restrictions>
                        <AvailableDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                        <ArrivalDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                    </DOW_Restrictions>
                    <Viewerships>
                        <Viewership>
                            <BookingChannelCodes>
                                <BookingChannelCode Sort="0">VC</BookingChannelCode>
                            </BookingChannelCodes>
                        </Viewership>
                    </Viewerships>
                </BookingRule>
            </BookingRules>
            <Rates>
                <Rate InvTypeCode="DBL" Start="20090717" End="20090731" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true" Mon="false"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="175.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="225.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="325.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
                <Rate InvTypeCode="DBL" Start="20090717" End="20090731" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
```

```xml
            <Rate InvTypeCode="KING" Start="20090717" End="20090731" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="175.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="325.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="KING" Start="20090717" End="20090731" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="275.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DXLKG" Start="20090717" End="20090731" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="175.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="325.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DXLKG" Start="20090717" End="20090731" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="275.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DXLQN" Start="20090717" End="20090731" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
```

```xml
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="175.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="225.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="325.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
                <Rate InvTypeCode="DXLQN" Start="20090717" End="20090731" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="25.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
            </Rates>
        </RatePlan>
        <RatePlan Start="20090801" End="20091031" CurrencyCode="USD" RatePlanCode="AAA" RatePlanCategory="DISC" YieldableIndicator="false"
MarketCode="XX">
            <Rates>
                <Rate InvTypeCode="DBL" Start="20090801" End="20091031" Weds="true" Tue="true" Thur="true" Sun="true" Sat="true" Mon="true"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="150.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="250.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
                <Rate InvTypeCode="KING" Start="20090801" End="20091031" Weds="true" Tue="true" Thur="true" Sun="true" Sat="true" Mon="true"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="150.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="250.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
```

```xml
            </Rate>
            <Rate InvTypeCode="DXLKG" Start="20090801" End="20091031" Weds="true" Tue="true" Thur="true" Sun="true" Sat="true" Mon="true"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="150.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="200.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="275.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="250.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
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            <Rate InvTypeCode="DXLQN" Start="20090801" End="20091031" Weds="true" Tue="true" Thur="true" Sun="true" Sat="true" Mon="true"
Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
<Rate InvTypeCode="DBL" Start="20091101" End="20091231" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true" Mon="false" Fri="true"
CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
            <Rate InvTypeCode="DBL" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="265.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="315.0000"/>
                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="365.0000"/>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                </AdditionalGuestAmounts>
            </Rate>
```

```xml
                        <Rate InvTypeCode="KING" Start="20091101" End="20091231" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                                <BaseByGuestAmts>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                                </AdditionalGuestAmounts>
                        </Rate>
                        <Rate InvTypeCode="KING" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                                <BaseByGuestAmts>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="215.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="265.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="315.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="365.0000"/>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                                </AdditionalGuestAmounts>
                        </Rate>
                        <Rate InvTypeCode="DXLKG" Start="20091101" End="20091231" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
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                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                                </AdditionalGuestAmounts>
                        </Rate>
                        <Rate InvTypeCode="DXLKG" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                                <BaseByGuestAmts>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="215.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="265.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                    <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                                    <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                                </AdditionalGuestAmounts>
                        </Rate>
                        <Rate InvTypeCode="DXLQN" Start="20091101" End="20091231" Weds="false" Tue="false" Thur="false" Sun="false" Sat="true"
Mon="false" Fri="true" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
```

```xml
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="225.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="250.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="325.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="375.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
                <Rate InvTypeCode="DXLQN" Start="20091101" End="20091231" Weds="true" Tue="true" Thur="true" Sun="true" Sat="false" Mon="true"
Fri="false" CurrencyCode="USD" UnitMultiplier="1" RateTimeUnit="Day">
                    <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountBeforeTax="215.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountBeforeTax="265.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="3" AmountBeforeTax="315.0000"/>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="4" AmountBeforeTax="365.0000"/>
                    </BaseByGuestAmts>
                    <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Amount="20.0000" AgeQualifyingCode="10"/>
                        <AdditionalGuestAmount Amount="10.0000" AgeQualifyingCode="8"/>
                    </AdditionalGuestAmounts>
                </Rate>
            </Rates>
            <RatePlanLevelFee>
                <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="USD" MandatoryIndicator="true">
                </Fee>
                <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="USD" MandatoryIndicator="true">
                </Fee>
                <Fee ChargeUnit="21" Type="Exclusive" Amount="15.00" CurrencyCode="USD" MandatoryIndicator="false">
                    <Description>
                        <Text>Breakfast charge</Text>
                    </Description>
                </Fee>
            </RatePlanLevelFee>
            <Commission Percent="8.50"/>
            <Description Name="Triple A Rate Plan.">
                <Text>Valid ID is required upon check-in</Text>
            </Description>
        </RatePlan>
    </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.6.2   OTA_HoteRatePlanNotifRS

```xml
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.7   Example 4 – Remove

The Seaside Village Hotel has decided to no longer offer the Triple A Rate Plan for the room types of DXLKG and DXLQN during the time period of August 1, 2009 through October 31, 2009. In this case the RatePlanNotifType 'Remove' is used.

20.7.1   OTA_HoteRatePlanNotifRQ

```
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1250552223193" MessageContentCode="8">
    <RatePlans HotelCode=" ABC123">
        <RatePlan CurrencyCode="USD" RatePlanCode="AAA" RatePlanCategory="DISC" Start="20090801" End="20091031" RatePlanStatusType="Active "
YieldableIndicator="false" MarketCode="XX" RatePlanNotifType="Remove">
            <Viewerships>
                <Viewership>
                    <BookingChannelCodes>
                    <BookingChannelCode Sort="0">VC</BookingChannelCode>
                    </BookingChannelCodes>
                </Viewership>
            </Viewerships>
            <Rates>
                <Rate InvTypeCode="DXLKG" Start="20090801" End="20091031" CurrencyCode="USD" Weds="true" Tue="true" Thur="true" Sun="true"
Sat="true" Mon="true" Fri="true" UnitMultiplier="1" RateTimeUnit="Day">
                </Rate>
                <Rate InvTypeCode="DXLQN" Start="20090801" End="20091031" CurrencyCode="USD" Weds="true" Tue="true" Thur="true" Sun="true"
Sat="true" Mon="true" Fri="true" UnitMultiplier="1" RateTimeUnit="Day">
                </Rate>
            </Rates>
            <Description Name=" Triple A Rate Plan ">
                <Text> Valid ID is required upon check-in</Text>
            </Description>
        </RatePlan>
    </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.7.2   OTA_HoteRatePlanNotifRS

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.8   Example 5 – Derivative Rate Plan

The Seaside Village Hotel needs to notify their voice call center of a new rate plan which is a derivative of existing rate plan.
- The rate plan, AARP is valid from May 19, 2009 through December 31, 200.
- AARP is 10 percent off of the rate plan 'BAR'.

- The minimum length of stay is 1 night and the maximum is 10 nights.
- If the stay is over 10 nights, the 'RACK' rate plan should be used.

20.8.1 OTA_HoteRatePlanNotifRQ

```xml
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1250614509691" MessageContentCode="8">
   <RatePlans HotelCode="ABC123">
      <RatePlan CurrencyCode="USD" RatePlanCode="AARP" RatePlanCategory="DISC" Start="20090519" End="20091231" YieldableIndicator="false"
MarketCode="ZZ" BaseRatePlanCode="BAR" AdjustedPercentage="10" AdjustUpIndicator="0" RatePlanNotifType="New" RatePlanStatusType="Active"
ApplyDynamicPricing="False" ExtraNightRatePlanCode="RACK ">
         <Description Name="Short Description">
            <Text>AARP Rate</Text>
         </Description>
         <Description Name="Long Description">
            <Text>You must present your valid AARP membership card upon check in</Text>
         </Description>
         <BookingRules>
            <BookingRule>
               <LengthsOfStay>
                  <LengthOfStay MinMaxmessageType="SetMinLOS" Time="1" TimeUnit="Day"/>
                  <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day"/>
               </LengthsOfStay>
            </BookingRule>
         </BookingRules>
      </RatePlan>
   </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.8.2 OTA_HoteRatePlanNotifRS

```xml
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.9   Example 6 – Deactivate a Rate Plan

The Seaside Village Hotel needs to notify their voice call center of a rate plan which they need deactivate. The rate plan should not be offered to any future reservation bookings.

20.9.1 OTA_HoteRatePlanNotifRQ

```xml
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="1250614509691" MessageContentCode="8">
   <RatePlans HotelCode="ABC123">
      <RatePlan CurrencyCode="USD" RatePlanCode="AARP" RatePlanCategory="DISC" Start="20090519" End="20091231" YieldableIndicator="false"
MarketCode="ZZ" BasRatePlanCode="BAR" AdjustedPercentage="10" AdjustUpIndicator="0" RatePlanNotifType="New" RatePlanStatusType="InActive"
ApplyDynamicPricing="False" ExtraNightRatePlanCode="RACK ">
```

```
            <Description Name="Short Description">
                <Text>AARP Rate</Text>
            </Description>
            <Description Name="Long Description">
                <Text>You must present your valid AARP membership card upon check in</Text>
            </Description>
            <BookingRules>
                <BookingRule>
                    <LengthsOfStay>
                        <LengthOfStay MinMaxmessageType="SetMinLOS" Time="1" TimeUnit="Day"/>
                        <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day"/>
                    </LengthsOfStay>
                </BookingRule>
            </BookingRules>
        </RatePlan>
    </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.9.2   OTA_HoteRatePlanNotifRS

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-04-
02T10:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.10   FAQ

20.10.1 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.

20.11   Update Group Rates

The update rates usage profile covers the pushing of group rate plan definitions from one system to another.

20.11.1 Scope

This usage profile includes group rates.

It does not include simple rates or package rates, covered in separate usage profiles.

20.12 Update Group Rate Request

The update rate request is sent using the OTA_HotelRatePlanNotifRQ message.

20.12.1 Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@Timestamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@MessageContentCode	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanNotifRQ / RatePlans	1	Element grouping the rate plans to be transferred.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan	1..n	Element defining rate plan being sent. Upper limit to be agreed by trading partners.
@RatePlanCode	1	This is the rate plan which is being uploaded/downloaded.
@RatePlanCategory	0..1	This is the segment/category which the rate being uploaded/downloaded belongs to. Only one RatePlanCategory is acceptable for RatePlan code; therefore, the RatePlanCategory must be the same for all seasons passed.
@YieldableIndicator	0..1	Boolean attribute to indicate whether the rate is yieldable or not. Only one Yieldable indicator is acceptable for RatePlan code; therefore, the Yieldable indicator must be the same for all seasons passed.
@YieldDeltaAmount	0..1	Numeric attribute indicating the amount to be added or subtracted to the rate to determine the real "yieldable" value of the rate.
@MarketCode	0..1	String attribute to indicate the market code for the rate. Only one MarketCode is acceptable for RatePlan code; therefore, the MarketCode must be the same for all seasons passed.
@RestrictedDisplayIndicator	0..1	This attribute is a boolean to indicate if the rate is to be considered "Confidential". Only one Confidential attribute is acceptable for each RatePlan code; therefore, the attribute must be the same for all seasons passed.
@RatePlanNotifType	1	This enumeration indicates whether the upload/download is meant to overwrite existing data or add to it. Possible enumerations are: New, Delta, Overlay, Remove.
@Start, @End	1	The first and last dates of the season which is being uploaded/downloaded for the rate.
@InventoryAllocatedInd	0..1	Boolean attribute to indicate whether the inventory allocated to this rate is taken out of the house inventory. Only one InvBlock indicator is acceptable for RatePlan code; therefore, the InvBlock indicator must be the same for all seasons passed.

Element | @Attribute	Num	Description/Contents
@IsCommissionable	1	This indicates whether the rate season is commissionable or not. If the Boolean is sent as False, the rate season is not commissionable. If the Boolean is set to "True", but NO commission is sent in the commission element, then the commission to be applied is the default one for the property. If the Boolean is set to True and a commission is passed in the field then the commission sent is the one applied to the rate season.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Desciption	2	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded / downloaded.
@Name	1	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.

Its value must be 'Short decription' in one instance and 'Long Description' in the other. |
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Description / Text	1	This element inside the Description element described above has the actual text corresponding to the long and short description of the rate being uploaded/downloaded.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single rate plan message for error reporting purposes.
@ID	1	ID is a unique incremental number for each rate plan message that identifies that specific message.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Commission	0..1	
@Percent	0..1	This is the amount of commission paid to an agency for booking the rate that is being uploaded/downloaded.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules	0..1	Optional. Used to transfer booking rules.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule	1..n	Mandatory if BookingRules is transferred.
@MinAdvancedBookingOffset	0..1	This is the minimum amount of days prior to arrival that the rate can be booked.
@MaxAdvancedBookingOffset	0..1	This is the maximum amount of days prior to arrival that the rate can be booked.
@AbsoluteCutOff	1	This is the release date on which the allotment of rooms set aside for the group will be released back into the house inventory.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay	0..1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay / LengthOfStay	1..n	SetMinLOS & SetMaxLOS Mandatory.
@MinMaxMessageType =SetMinLOS, @Time @TimeUnit	0..1	This is the minimum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
@MinMaxMessageType =SetMaxLOS, @Time @TimeUnit	0..1	This is the maximum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships	0..n	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership /	1	Path to BookingChannelCodes.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles	1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile	1..n	
@ProfileType	1	ProfileType uses an OpenTravel Alliance code list and for Group rate upload must default to code nr 6 – Group.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / CompanyName	1	This is the name of the Organizer of the group.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / AddressLine	1	This is the Street address of the Organizer of the group.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / CityName	1	This is the City of the Organizer of the group.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / CountryName	1	This is the Country of the Organizer of the group.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / TelephoneInfo /	1	
@PhoneNumber & @PhoneTechType	1	This is the Telephone number of the Organizer of the group. PhoneTechType uses an OpenTravel Alliance code list (PTT) and must be set to 1 [Voice]
@PhoneNumber & @PhoneTechType	1	This is the fax number of the Organizer of the group. PhoneTechType uses an OpenTravel Alliance code list (PTT) and must be set to 3 [Fax]

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / Email	1	This is the email address of the Organizer of the group.
@AbsoluteCutOff	1	This is the release date on which the allotment of rooms set aside for the group will be released back into the house inventory.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / AvailableDaysOfWeek	0..1	Element ot transfer DOW when stay is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators selected are those in which the rate plan is available and therefore could be used to reflect when STAY is possible. Days marked as 0 (boolean) would mean on those days the rate is not available and therefore stay would not be possible. If one DOW indicator is used they must all be used.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / ArrivalDaysOfWeek	0..1	Element ot transfer DOW when arrival is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which Arrival is allowed. Those set to 0 are the days in which arrival is not allowed.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / DepartureDaysOfWeek	0..1	Element ot transfer DOW when departure is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which departure is allowed. Those set to 0 are the days in which departure is not allowed.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes /	0..1	

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes / BookingChannelCode	0..n	This would be used to indicate which Channels are allowed to view and book the rate – could be substituted with SystemCode.
@Sort	0..1	The attribute "sort" can be associated to each code. Must be a string where we can pass C for closed as well as a selling order.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates	0..1	Includes all rates loaded for the rate plan.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate	1..n	Upper limit may be agreed upon partners.
@Start, @End	1	NEED TO DISCUSS THIS REQUEST BY SMS TO INTRODUCE START AND END AT THIS LEVEL.
@CurrencyCode	1	This is the currency associated to the rate that is being uploaded/downloaded – it could be different to the currency loaded for the property.
@YieldValue	0..n	Optional AND NOT CURRENTLY in the OpenTravel Alliance message. A comment has been submitted to OpenTravel Alliance to request addition for the 2005B release. It will be a numeric attribute.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	These DOW indicators are used to specify to which days the rate passed is applicable. If one is sent, they must all be sent and rates must be sent for each exception. If there is an exception to the pricing DOW indicators must be passed and the Rate element is then repeated for the exception days. Exception to the pricing are only allowed if no stay or arrival restriction have been applied - ONLY ONE EXCEPTION IS ALLOWED (2 SETS OF PRICING PER RATE SEASON).
@InvTypeCode	1	This is the room type for which the rates are transferred.
		For each room type a new instance of the Rate element must be passed. If the room type is transmitted with rate values attached it will be considered opened at the price indicated. If the room type is passed with a 0 value it will be considered closed for that rate plan (i.e., not applicable for the rate plan). If in a modification message a room type that was previously loaded is Not sent, then it remains unchanged.
@Status	0..1	This is used to indicate for each room code passed for the rate whether it is opened or closed. Default value to be agreed by partners.
@RateTimeUnit, @UnitMultiplier	0..1	If NOT sent the default assumed is always 1 day (i.e., the rate is based on a nightly rate).
		Rate Time unit is an Enumeration of time units upon which the RateAmount is based (e.g., daily, weekly, single rate for full stay).
		UnitMultiplier is the number of RateTimeUnits that the rate Amount is based upon (e.g., rate for one day in case of nightly rates).

Element	@Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount	0..n	Used to transfer extra adult and extra child information.
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@Percent OR @Amount	0..1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / Rates / Rate / BaseByGuestAmnts / BaseByGuestAmt	1..n	AT LEAST 1 INSTANCE FOR NUMBEROFGUESTS=1 is Mandatory.
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@NumberOfGuests	1	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy 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_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee	0..1	Linked to Total Pricing – used to pass all Tax and fees info.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee	1..n	Repeatable once per fee.
@Type	0..1 per Fee	An enumeration to indicate whether the fee is inclusive, exclusive, or cumulative.

Element | @Attribute	Num	Description/Contents
@Code	0..1 per Fee	The Code attribute refers to the OpenTravel Alliance FeeTaxType code list and is used to indicate what fee is being transferred. Code used will be: 17– Total Tax 16 – Surcharge 14 – Service charge 27 – Miscellaneous 19 – VAT/GST Tax 8 – Lodging tax 15 – State tax 3 – City tax 10 – Occupancy tax 34 – Local Fee A request has been made to OpenTravel Alliance for the MPT list to be accessible from the same attribute so that meal plan info can also be passed in the same field.
@Amount OR @Percent	1 per Fee	Either @Amount or @Percent is Mandatory.
@Charge Unit	0..1	Charge Unit is used to indicate the unit of measure of the fee/tax passed: Based on the OTACharge Type code list, some examples are: 18 - Per room per stay 19 - Per room per night 20 - Per person per stay 21 - Per person per night
@CurrencyCode	0..1	
@MandatoryIndicator	0..1	MandatoryIndicator is a boolean Attribute. This will indicate if the fee or meal plan passed is Mandatory or not and will help in the determination of the calculation for total pricing.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description	0..1	Linked to Total Pricing – used to pass all Tax and fees info. For Fees and tax that are not OpenTravel Alliance coded, Description/Text will be used to indicate the fee that is being passed. Only one description allowed for each fee element.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description / Text	1	Description of the fee.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties /	0..1	Used to transfer the Cancellation penalty for the rate plan transferred.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty	0..1	
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline	0..1	
@AbsoluteDeadline	0..1	This is used to indicate the "exact date" or "exact date and time" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline		This is used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
		The following three attributes are used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
@OffsetDropTime	0..1	An enumeration to indicate BeforeArrival or AfterBooking.
@OffsetUnitMultiplier	0..1	A numeric to indicate the number of hours or days by which to cancel.
@OffsetTimeUnit	0..1	An enumeration to indicate whether we are talking about hours or days. Possible enumerations for OpenTravel Alliance are various BUT RECOMMENDED ENUMERATIONS to be used by HTNG should only be: Hour and Day.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / AmountPercent	1	Conditionally Mandatory. If a Deadline is passed, then an AmountPercent must also be indicated using the appropriate attribute.
@NmbrOfNights OR @Amount OR @Percent	1	Conditionally Mandatory.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees /	0..1	This is used to transfer Guarantee AND/OR Deposit policies for the rate.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee	1..n	This is used to indicate the specific Guarantee AND/OR Deposit policy for the rate.
@GuaranteePolicyType	0..1	To pass a Guarantee policy, the GuaranteeType attribute will be set to GuaranteeRequired. To pass a deposit it will be set to DepositRequired.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted	1	Conditionally Mandatory - if GuaranteeType is passed.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted	1	Mandatory.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Mandatory.
@GuaranteeCode	1	The Code associated to the guarantee or deposit. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
@CardType	1	Used to indicate that the deposit or guarantee must be provided by credit card. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
OTA_HotelRatePlanNotifRQ / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteeDescription / Text	0..1	

Element | @Attribute	Num	Description/Contents
@GuaranteeCode	0..1	Goes with the GuaranteeCode attribute and describes the Guarantee or Deposit requirement. For instance: GuaranteeCode = GCD, GuranteeDescription/Text = Guarantee by Corporate ID GuaranteeCode = DDP, GuranteeDescription/Text = Deposit by Check,Transfer

20.12.2 Example Message

Scenario:
PMS "ABC" needs to transmit the following Rate download to CRS "123"

MessageContentCode:	Group rate
Hotel Code	HXCAIZZ
Rate plan	G1
Rate segment	G
Yieldable	N
Inventory Block	Yes
MarkeCode	Test1
Start date:	Dec 20th 2005
End date:	Dec 31st 2005
Short Description	Xmas Group 05
Long Description	rate includes Xmas party dinner
Commission Percentage	8.50
Min LOS	7
Max LOS	10
Min adv Booking req	30
Max adv Booking req	90
Organizer's Name	PartyLand Company
Organizer's Street	LyonerStrasse 40
Organizer's City	Frankfurt
Organizer's State	Germany
Organizer's Phone	49 69 664 65100
Organizer's email	partyland@parties.com
Organizer's fax	49 69 664 65101
Release date	Dec 1st 2005
Stay Allowed	All days
Arrival Allowed	All days
Departure Allowed	All days
Channel allowed	GDS and Voice only
Currency	Euro
Yield value	-50.00
Child rate percentage	50
Guarantee	Deposit by CC required
Cancellation	Cancellation 30 days prior to arrival
Cancellation penalty	50% of stay
Taxes - VAT	17.50% incl.
Surcharges	Flat fee of EUR 5.00 per person per night excl.
Full American Bkf	25.00 per person per day excl.
Exception days	Fri-Sat-Sun
Room Type:	C2T

Single price:	100.00
Full price:	180.00
Extra bed price	30
Exception pricing:	
Single price:	120.00
Full price:	200.00
Extra bed price	50

```xml
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRQ.xsd" Version="1.001" EchoToken="000" TimeStamp="2005-08-
03T09:30:47-05:00" MessageContentCode="9">
        <!-- MessageContentCode=9 for Group Rate Update -->
        <RatePlans HotelCode="HXCAIZZ">
            <RatePlan RatePlanNotifType="New" RatePlanCode="G1" RatePlanCategory="G" Start="2005-12-20" End="2005-12-31"
CurrencyCode="EUR" YieldableIndicator="false" MarketCode="Test1" InventoryAllocatedInd="true" IsCommissionable="1">
                <BookingRules>
                    <BookingRule MinAdvancedBookingOffset="P30D" MaxAdvancedBookingOffset="P90D" AbsoluteCutoff="2005-12-01">
                        <AcceptableGuarantees>
                            <AcceptableGuarantee GuaranteePolicyType="DepositRequired" GuaranteeCode="DCC">
                                <GuaranteesAccepted>
                                    <GuaranteeAccepted>
                                        <PaymentCard CardType="1"/>
                                    </GuaranteeAccepted>
                                </GuaranteesAccepted>
                                <GuaranteeDescription>
                                    <Text>Deposit by credit card</Text>
                                </GuaranteeDescription>
                            </AcceptableGuarantee>
                        </AcceptableGuarantees>
                        <CancelPenalties>
                            <CancelPenalty>
                                <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="30"/>

                                <AmountPercent Percent="50.00">
                                </AmountPercent>
                            </CancelPenalty>
                        </CancelPenalties>
                        <LengthsOfStay>
                            <LengthOfStay MinMaxMessageType="SetMinLOS" Time="5" TimeUnit="Day">
                            </LengthOfStay>
                            <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day">
                            </LengthOfStay>
                        </LengthsOfStay>
                        <DOW_Restrictions>
                            <AvailableDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                            <ArrivalDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                            <DepartureDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                        </DOW_Restrictions>
                        <Viewerships>
                            <Viewership>
                                <Profiles>
                                    <Profile ProfileType="6">
                                        <CompanyInfo>
```

```xml
                                                        <CompanyName>PartyLand Company</CompanyName>
                                                        <AddressInfo>
                                                                <AddressLine>Lyonerstrasse 40</AddressLine>
                                                                <CityName>Frankfurt</CityName>
                                                                <CountryName>Germany</CountryName>
                                                        </AddressInfo>
                                                        <TelephoneInfo PhoneNumber="49 69 664 65100" PhoneTechType="1"/>
                                                        <TelephoneInfo PhoneNumber="49 69 664 65101" PhoneTechType="3"/>
                                                        <Email>partyland@parties.com</Email>
                                                </CompanyInfo>
                                        </Profile>
                                </Profiles>
                                <BookingChannelCodes>
                                        <BookingChannelCode Sort="0">AA</BookingChannelCode>
                                        <BookingChannelCode Sort="0">1A</BookingChannelCode>
                                        <BookingChannelCode Sort="0">UA</BookingChannelCode>
                                        <BookingChannelCode Sort="0">TW</BookingChannelCode>
                                        <BookingChannelCode Sort="0">VC</BookingChannelCode>
                                </BookingChannelCodes>
                        </Viewership>
                </Viewerships>
        </BookingRule>
</BookingRules>
<Rates>
        <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="1" Sun="1" Mon="0"
Tue="0" Weds="0" Thur="0" Fri="1">
                <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="120.00">
                        </BaseByGuestAmt>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="200.00">
                        </BaseByGuestAmt>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                        </AdditionalGuestAmount>
                        <AdditionalGuestAmount Amount="50.00" AgeQualifyingCode="10">
                        </AdditionalGuestAmount>
                </AdditionalGuestAmounts>
        </Rate>
        <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="0" Sun="0" Mon="1"
Tue="1" Weds="1" Thur="1" Fri="0">
                <BaseByGuestAmts>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="100.00">
                        </BaseByGuestAmt>
                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="180.00">
                        </BaseByGuestAmt>
                </BaseByGuestAmts>
                <AdditionalGuestAmounts>
                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                        </AdditionalGuestAmount>
                        <AdditionalGuestAmount Amount="30.00" AgeQualifyingCode="10">
                        </AdditionalGuestAmount>
                </AdditionalGuestAmounts>
        </Rate>
```

```
                </Rates>
                <RatePlanLevelFee>
                        <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="EUR">
                        </Fee>
                        <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="EUR">
                        </Fee>
                        <Fee ChargeUnit="21" Type="Exclusive" Amount="25.00" CurrencyCode="EUR">
                                <Description>
                                        <Text>Full American Breakfast</Text>
                                </Description>
                        </Fee>
                </RatePlanLevelFee>
                <Commission Percent="8.50"/>
                <Description Name="Short description">
                        <Text>Xmas Group 2005</Text>
                </Description>
                <Description Name="Long description">
                        <Text>rate includes Xmas party dinner</Text>
                </Description>
            </RatePlan>
        </RatePlans>
</OTA_HotelRatePlanNotifRQ>
```

20.13 Update Group Rate Response

The update rate response is sent using the OTA_HotelRatePlanNotifRS message.

20.13.1 Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@Timestamp	1	Time of the transaction.
OTA_HotelRatePlanNotifRS / Errors	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanNotifRS / Errors / Error	1..99	Mandatory.
@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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanNotifRS / Success	1	This is the annotation that the rate plan message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelRatePlanNotifRS / Warnings	1	The attribute refers to the MCC OpenTravel Alliance code list which includes: Rate, Package, Group.
OTA_HotelRatePlanNotifRS / Warnings / Warning	1..99	Mandatory.
@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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

20.13.2 Example Message

Scenario:
CRS "123" sends PMS "ABC" a response indicating the update was processed successfully.

```
<OTA_HotelRatePlanNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanNotifRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2005-08-
03T09:30:47-05:00">
<Success/>
</OTA_HotelRatePlanNotifRS>
```

20.14 Hotel Rate Plan Request

The HotelRatePlan message provides the ability to search for active rate plans and offers. The message will be used primarily to ensure that two systems are in sync. It can be used in place of the HotelRatePlanNotif message when a pull model is desired.

The HotelRatePlan Request message allows one system to query another for detailed rate plan information including availability, pricing, and viewership. By supplying different criteria (e.g., specific rate code, dates), the request message can limit the number of rate plans and/or offers returned by the response.

20.14.1 Scope

This usage profile does not include group rates or package rates. Those are covered in separate profiles.

20.14.2 Usage Profile Table

This rate request is sent using the OTA_HotelRatePlanRQ message.

Element | @Attribute	Num	Description/Contents

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRQ	1	Root element of the message.
@EchoToken	0..1	Optional.
@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
OTA_HotelRatePlantRQ / POS / Source	1	Optional. This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
OTA_HotelRatePlanRQ / POS / Source / RequestorID	1	The system sending the request message. An identifier of the entity making the request (e.g. ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@Id	1	ID is used for the name or ID of the requestor. For example, Passkey.
OTA_HotelRatePlantRQ / RatePlans	1	Element grouping the rate plans to be transferred.
OTA_HotelRatePlanRQ / RatePlans / RatePlan	1..n	Element defining rate plan being sent. Upper limit to be agreed by trading partners
OTA_HotelRatePlanRQ / RatePlans / RatePlan / DateRange	0..1	Element defining date range criteria requested
@Start, @End	1	This is to request rate data limited to a particular date range
OTA_HotelRatePlanRQ / RatePlans / RatePlan / RatePlanCandidates / RatePlanCandidate	1	
@RatePlanCode	0..1	This it the rate plan which is being uploaded/downloaded
@RatePlanCategory	0..1	This is the segment/category which the rate being uploaded/downloaded belongs to. If specific rate information is required, either @RatePlanCode or @RatePlanCategory should be passed.
OTA_HotelRatePlanRQ / RatePlans / RatePlan / RatePlanCandidates / RatePlanCandidate / HotelRef	1	
@HotelCode	1	This is the code of the property whose rate information is being requested

20.14.3 Example Message

```xml
<OTA_HotelRatePlanRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanRQ.xsd" Version="1.000" EchoToken="000" TimeStamp="2009-
08703T09:30:47-05:00
        <POS>
                <Source>
                        <RequestorID ID="10" Type="18"/>
                </Source>
        </POS>
        <RatePlans>
                <RatePlan>
                        <DateRange Start="2009-01-01" End="2009-01-31"/>
                        <RatePlanCandidates>
                                <RatePlanCandidate RatePlanCode="RAC"/>
                        <RatePlanCandidates>
                        <HotelRef HotelCode="10107"/>
                </RatePlan>
        </RatePlans>
</OTA_HotelRatePlanRQ>
```

20.15 Hotel Rate Plan Response

20.15.1 Usage Profile Table

The rate plan response is sent using the OTA_HotelRatePlanRS message.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@Timestamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
OTA_HotelRatePlanRS / Success	1	This is the annotation that the availability status message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelRatePlanRS / Warnings	0..1	Optional.
OTA_HotelRatePlanRS / Warnings / Warning	1..99	Mandatory.
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / Errors	0..1	Optional.
OTA_HotelRatePlanRS / Errors / Error	1..99	Mandatory.
@Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelRatePlanRS / RatePlans	1	Element grouping the rate plans to be transferred.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelRatePlanRS / RatePlans / RatePlan	1..n	Element defining rate plan being sent. Upper limit to be agreed by trading partners.
@RatePlanCode	1	This is the rate plan which is being uploaded/downloaded.
@RatePlanCategory	0..1	This is the segment/category to which the rate being uploaded/downloaded belongs. Only one RatePlanCategory is acceptable for RatePlan code; therefore, the RatePlanCategory must be the same for all seasons passed.
@ RatePlanStatusType	0..1	The status of the rate plan – Initial, Active, Deactivated.
@BaseRatePlanCode	0..1	The rate plan this rate plan is derived from.Used for Character Strings, length 1 to 64.
@AdjustedAmount	0..1	The amount which should be added to the base rate plan to determine the price of this derived rate plan.Specifies an amount, max 3 decimals.
@AdjustedPercentage	0..1	The percentage off the base rate plan amount used to determine the price of this derived rate plan.Used for percentage values.
@AdjustUpIndicator	0..1	When true, the adjusted amount or adjusted percentage is added to the amount specified for the base rate plan to determine the derived rate amount. When false, the adjusted amount or adjusted percentage is subtracted from the amount specified for the base rate plan to determine the derived rate amount.
@ExtraNightRatePlancode	0..1	Used to indicate what rate plan is used for shoulder night(s) booked in addition to the base nights.Used for Character Strings, length 1 to 64.
@RatePlanCode	1	This is the rate plan which is being uploaded/downloaded.
@RatePlanCategory	0..1	This is the segment/category to which the rate being uploaded/downloaded belongs. Only one RatePlanCategory is acceptable for RatePlan code; therefore, the RatePlanCategory must be the same for all seasons passed.
@YieldableIndicator	0..1	Boolean attribute to indicate whether the rate is yieldable or not. Only one Yieldable indicator is acceptable for RatePlan code; therefore, the Yieldable indicator must be the same for all seasons passed.
@YieldDeltaAmount	0..1	Numeric attribute indicating the amount to be added or subtracted to the rate to determine the real "yieldable" value of the rate.

Element	@Attribute	Num	Description/Contents
@MarketCode	0..1	String attribute to indicate the market code for the rate. Only one MarketCode is acceptable for RatePlan code; therefore, the MarketCode must be the same for all seasons passed.
@RestrictedDisplayIndicator	0..1	This attribute is a boolean to indicate if the rate is to be considered "Confidential". Only one Confidential attribute is acceptable for each RatePlan code; therefore, the attribute must be the same for all seasons passed.
@RatePlanNotifType	1	This enumeration indicates whether the upload/download is meant to overwrite existing data or add to it. Possible enumerations are: New, Delta, Overlay, Remove.
@Start, @End	1	In general, the Start and End attributes used at the RatePlan level should be used as follows: the Start attribute should be equal to the earliest Start attribute at the Rate level, and the End attribute should be equal to the latest End attribute at the Rate level.

In other words, the Start and End attributes at the RatePlan level should specify the entire span of dates representing the Rate elements found in the Rates collection.

HOWEVER, the same Start and End attribute or Rate Plan level could be used to indicate the actual seasons of the rate if the two systems integrating using this message intend to transfer some of the elements at rate plan level as season-based elements. For instance, if the two systems are both capable of treating the "Commissionable" indicator as a seasonal item rather than an item that applies to the entire rate.

If the Start and End attribute at rate plan level are used to indicate each season, the Start and End attribute at rate level WOULD ONLY BE USED in case of DOW variations – if no DOW variation is needed the Start and end attributes at Rate level could be omitted. |
@InventoryAllocatedInd	0..1	Boolean attribute to indicate whether the inventory allocated to this rate is taken out of the house inventory. Only one InvBlock indicator is acceptable for RatePlan code; therefore, the InvBlock indicator must be the same for all seasons passed.
@IsCommissionable	0..1	This indicates whether the rate season is commissionable or not. If the Boolean is sent as False, the rate season is not commissionable. If the Boolean is set to "True", but NO commission is sent in the commission element, then the commission to be applied is the default one for the property. If the Boolean is set to True and a commission is passed in the field then the commission sent is the one applied to the rate season.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Desciption	2	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.
@Name	1	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.

Its value must be 'Short decription' in one instance and 'Long Description' in the other. |
| OTA_HotelRatePlanRS / RatePlans / RatePlan / Description / Text | 1 | This element inside the Description element described above has the actual text corresponding to the long and short description of the rate being uploaded/downloaded. |

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / UniqueID	0..1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single rate plan message for error reporting purposes.
@ID	1	ID is a unique incremental number for each rate plan message that identifies that specific message.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Commission	0..1	
@Percent	0..1	This is the amount of commission paid to an agency for booking the rate that is being uploaded/downloaded.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules	0..1	Optional. Used to transfer booking rules.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule	1	Mandatory if BookingRules is transferred.
@MinAdvancedBookingOffset	0..1	This is the minimum amount of days prior to arrival that the rate can be booked.
@MaxAdvancedBookingOffset	0..1	This is the maximum amount of days prior to arrival that the rate can be booked.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay	0..1	SetMinLOS & SetMaxLOS Mandatory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay / LengthOfStay	1..n	SetMinLOS & SetMaxLOS Mandatory.
@MinMaxMessageType =SetMinLOS, @Time @TimeUnit	0..1	This is the minimum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
@MinMaxMessageType =SetMaxLOS, @Time @TimeUnit	0..1	This is the maximum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / AvailableDaysOfWeek	0..1	Element ot transfer DOW when stay is possible.

Element | @Attribute	Num	Description/Contents
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators selected are those in which the rate plan is available and therefore could be used to reflect when STAY is possible. Days marked as 0 (boolean) would mean on those days the rate is not available and therefore stay would not be possible. If one DOW indicator is used they must all be used.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / ArrivalDaysOfWeek	0..1	Element ot transfer DOW when arrival is possible.
@Mon,@Tue,@Weds,@Thur,@ Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which Arrival is allowed. Those set to 0 are the days in which arrival is not allowed.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / InventoryInfo	0..1	
@InvTypeCode	1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships	0..n	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership /	1	Path to BookingChannelCodes.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes /	0..1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes / BookingChannelCode	0..n	This would be used to indicate which Channels are allowed to view and book the rate. Could be substituted with SystemCode.
@Sort	0..1	The attribute "sort" can be associated to each code. Must be a string where we can pass C for closed as well as a selling order.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates	0..1	Includes all rates loaded for the rate plan.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate	1..n	Upper limit may be agreed upon partners.
@Start, @End	0..1	This set of Start and End attribute represent the start and end of each season which is being transferred with the rate. HOWEVER, if the Start and End attribute at rate plan level are used to indicate each season, the Start and End attribute at rate level WOULD ONLY BE USED in case of DOW variations – if no DOW variation is needed the Start and end attributes at Rate level could be omitted.
@CurrencyCode	1	This is the currency associated to the rate that is being uploaded/downloaded – it could be different to the currency loaded for the property.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	These DOW indicators are used to specify to which days the rate passed is applicable. If one is sent, they must all be sent and rates must be sent for each exception. If there is an exception to the pricing DOW indicators must be passed and the Rate element is then repeated for the exception days. Exceptions to the pricing are only allowed if no stay or arrival restrictions have been applied.
@InvTypeCode	1	This is the room type for which the rates are transferred. For each room type a new instance of the Rate element must be passed. If the room type is transmitted with rate values attached it will be considered opened at the price indicated. If the room type is passed with a 0 value it will be considered closed for that rate plan (i.e., not applicable for the rate plan). If in a modification message a room type that was previously loaded is Not sent, then it remains unchanged.
@Status	0..1	This is used to indicate for each room code passed for the rate whether it is opened or closed. Default value to be agreed by partners.
@RateTimeUnit, @UnitMultiplier	0..1	If NOT sent the default assumed is always 1 day (i.e., the rate is based on a nightly rate). Rate Time unit is an Enumeration of time units upon which the RateAmount is based (e.g., daily, weekly, single rate for full stay). UnitMultiplier is the number of RateTimeUnits that the rate Amount is based upon (e.g., rate for one day in case of nightly rates).
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate / BaseByGuestAmnts / BaseByGuestAmt	1..n	At least one instance for NumberOfGuest=1 is mandatory for the RatePlanNotifType New or Overlay. For the RatePlanNotifType of Delta or Remove it is optional.
@NumberOfGuests	1	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount	0..n	Used to transfer extra adult and extra child information.
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@Percent OR @Amount	0..1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee	0..1	Linked to Total Pricing – used to pass all Tax and fees info.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee	1..n	Repeatable once per fee.
@Type	0..1 per Fee	An enumeration to indicate whether the fee is inclusive, exclusive, or cumulative.
@Code	0..1 per Fee	The Code attribute refers to the OpenTravel Alliance FeeTaxType code list and is used to indicate what fee is being transferred. Code used will be: 17– Total Tax 16 – Surcharge 14 – Service charge 27 – Miscellaneous 19 – VAT/GST Tax 8 – Lodging tax 15 – State tax 3 – City tax 10 – Occupancy tax 34 – Local Fee A request has been made to OpenTravel Alliance for the MPT list to be accessible from the same attribute so that meal plan info can also be passed in the same field.
@Amount OR @Percent	1 per Fee	Either @Amount or @Percent is Mandatory.
@Charge Unit	0..1	Charge Unit is used to indicate the unit of measure of the fee/tax passed: Based on the OTACharge Type code list, some examples are: 18 - Per room per stay 19 - Per room per night 20 - Per person per stay 21 - Per person per night

Element	@Attribute	Num	Description/Contents
@CurrencyCode	0..1	
@MandatoryIndicator	0..1	MandatoryIndicator is a boolean Attribute. This will indicate if the fee or meal plan passed is Mandatory or not and will help in the determination of the calculation for total pricing.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description	0..1	Linked to Total Pricing – used to pass all tax and fees info. For fees and tax that are not OpenTravel Alliance coded, Description/Text will be used to indicate the fee that is being passed. Only one description allowed for each fee element.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description / Text	1	Description of the fee.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties /	0..1	Used to transfer the Cancellation penalty for the rate plan transferred.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty	0..1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline	0..1	
@AbsoluteDeadline	0..1	This is used to indicate the "exact date" or "exact date and time" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline		This is used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
		The following three attributes are used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
@OffsetDropTime	0..1	An enumeration to indicate BeforeArrival or AfterBooking.
@OffsetUnitMultiplier	0..1	a numeric to indicate the number of hours or days by which to cancel.

Element | @Attribute	Num	Description/Contents
@OffsetTimeUnit	0..1	An enumeration to indicate whether we are talking about hours or days. Possible enumerations for OpenTravel Alliance are various BUT RECOMMENDED ENUMERATIONS to be used by HTNG should only be: Hour and Day.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / AmountPercent	1	Conditionally Mandatory. If a Deadline is passed, then an AmountPercent must also be indicated using the appropriate attribute.
@NmbrOfNights OR @Amount OR @Percent	1	Conditionally Mandatory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees /	0..1	This is used to transfer Guarantee AND/OR Deposit policies for the rate.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee	1..n	This is used to indicate the specific Guarantee AND/OR Deposit policy for the rate.
@GuaranteePolicyType	0..1	To pass a Guarantee policy, the GuaranteeType attribute will be set to GuaranteeRequired. To pass a deposit it will be set to DepositRequired.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted	1	Conditionally Mandatory - if GuaranteeType is passed.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted	1	Mandatory.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Mandatory.
@GuaranteeCode	1	The Code associated to the guarantee or deposit. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
@CardType	1	Used to indicate that the deposit or guarantee must be provided by credit card. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteeDescription / Text	0..1	
@GuaranteeCode	0..1	Goes with the GuaranteeCode attribute and describes the Guarantee or Deposit requirement. For instance: GuaranteeCode = GCD, GuranteeDescription/Text = Guarantee by Corporate ID GuaranteeCode = DDP, GuranteeDescription/Text = Deposit by Check,Transfer

20.15.2 Example Message

```
<OTA_HotelRatePlanRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanRS.xsd" Version="1.000" EchoToken="000" TimeStamp="2009-07-
03T09:30:47-05:00" MessageContentCode="8">
        <RatePlans HotelCode="10107">
                <RatePlan RatePlanNotifType="New" RatePlanCode="RAC" RatePlanCategory="S" Start="2009-01-01" End="2009-01-31"
CurrencyCode="EUR" YieldableIndicator="true" MarketCode="Test1" InventoryAllocatedInd="false" IsCommissionable="1">
                        <BookingRules>
                                <BookingRule MinAdvancedBookingOffset="P7D" MaxAdvancedBookingOffset="P14D">
                                        <AcceptableGuarantees>
                                                <AcceptableGuarantee GuaranteePolicyType="GuaranteesRequired" GuaranteeCode="GCC">
                                                        <GuaranteesAccepted>
                                                                <GuaranteeAccepted>
                                                                        <PaymentCard CardType="1"/>
                                                                </GuaranteeAccepted>
                                                        </GuaranteesAccepted>
                                                        <GuaranteeDescription>
                                                                <Text>Guarantee by credit card</Text>
                                                        </GuaranteeDescription>
                                                </AcceptableGuarantee>
                                        </AcceptableGuarantees>
```

```xml
                                <CancelPenalties>
                                        <CancelPenalty>
                                                <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival" OffsetUnitMultiplier="1"/>
                                                <AmountPercent NmbrOfNights="1">
                                                </AmountPercent>
                                        </CancelPenalty>
                                </CancelPenalties>
                                <LengthsOfStay>
                                        <LengthOfStay MinMaxMessageType="SetMinLOS" Time="1" TimeUnit="Day">
                                        </LengthOfStay>
                                        <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="3" TimeUnit="Day">
                                        </LengthOfStay>
                                </LengthsOfStay>
                                <DOW_Restrictions>
                                        <AvailableDaysOfWeek Sun="1" Sat="1" Tue="0" Mon="0" Fri="1" Weds="0" Thur="0"/>
                                        <ArrivalDaysOfWeek Sun="0" Sat="0" Tue="0" Mon="0" Fri="1" Weds="0" Thur="1"/>
                                </DOW_Restrictions>
                                <Viewerships>
                                        <Viewership>
                                                <BookingChannelCodes>
                                                        <BookingChannelCode Sort="0">VC</BookingChannelCode>
                                                </BookingChannelCodes>
                                        </Viewership>
                                </Viewerships>
                        </BookingRule>
                </BookingRules>
                <Rates>
                        <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="A2T" Sun="1" Sat="1" Tue="1" Fri="1" Mon="1"
CurrencyCode="EUR" Weds="1" Thur="1">
                                <BaseByGuestAmts>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="120.00">
                                        </BaseByGuestAmt>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="200.00">
                                        </BaseByGuestAmt>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                        </AdditionalGuestAmount>
                                        <AdditionalGuestAmount Amount="50.00" AgeQualifyingCode="10">
                                        </AdditionalGuestAmount>
                                </AdditionalGuestAmounts>
                        </Rate>
                        <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="A1K" Sun="1" Sat="1" Tue="1" Fri="1" Mon="1"
CurrencyCode="EUR" Weds="1" Thur="1">
                                <BaseByGuestAmts>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="100.00">
                                        </BaseByGuestAmt>
                                        <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="180.00">
                                        </BaseByGuestAmt>
                                </BaseByGuestAmts>
                                <AdditionalGuestAmounts>
                                        <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                        </AdditionalGuestAmount>
                                        <AdditionalGuestAmount Amount="30.00" AgeQualifyingCode="10">
```

```
                                </AdditionalGuestAmount>
                            </AdditionalGuestAmounts>
                        </Rate>
                </Rates>
                <RatePlanLevelFee>
                        <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="EUR" MandatoryIndicator="true">
                        </Fee>
                        <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="EUR" MandatoryIndicator="true">
                        </Fee>
                        <Fee ChargeUnit="21" Type="Exclusive" Amount="15.00" CurrencyCode="EUR" MandatoryIndicator="false">
                                <Description>
                                        <Text>Breakfast charge</Text>
                                </Description>
                        </Fee>
                </RatePlanLevelFee>
                <Commission Percent="8.50"/>
                <Description Name="Short description">
                        <Text>Special Rare January 2009</Text>
                </Description>
                <Description Name="Long description">
                        <Text>rate includes complimentary daily newspaper</Text>
                </Description>
            </RatePlan>
        </RatePlans>
</OTA_HotelRatePlanRS>
```

20.16 Update Group Rates Request

20.16.1 Scope

The update rates usage profile covers the pushing of group rate plan definitions from one system to another. It does not include simple rates or package rates, covered in separate usage profiles.

20.16.2 Usage Profile Table

The update rate request is sent using the OTA_HotelRatePlanRQ message.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRQ	1	Root element of the message.
@EchoToken	0..1	Optional

Element | @Attribute	Num	Description/Contents
@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
OTA_HotelRatePlantRQ/POS/Source	1	Optional. This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
OTA_HotelAvailGetRQ/POS/Source/Requestor ID	1	The system sending the request message. An identifier of the entity making the request (e.g. ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@Id	1	ID is used for the name or ID of the requestor. For example, Passkey.
OTA_HotelRatePlantRQ / RatePlans	1	Element grouping the rate plans to be transferred.
OTA_HotelRatePlanRQ / RatePlans / RatePlan	1..n	Element defining rate plan being requested.
@Start, @End	1	This is to request rate data limited to a particular date range
OTA_HotelRatePlanRQ / RatePlans / RatePlan / RatePlanCandidates / RatePlanCandidate	1	
@RatePlanCode	0..1	This it the rate plan which is being uploaded/downloaded
@RatePlanCategory	0..1	This is the segment/category which the rate being uploaded/downloaded belongs to. If specific rate information is required, either @RatePlanCode or @RatePlanCategory should be passed.
OTA_HotelRatePlanRQ / RatePlans / RatePlan / RatePlanCandidates / RatePlanCandidate / HotelRef	1	
@HotelCode	1	This is the code of the property whose rate information is being requested

20.16.3 Example Message

```
<OTA_HotelRatePlanRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanRQ.xsd" Version="1.000" EchoToken="000" TimeStamp="2009-
08703T09:30:47-05:00
        <POS>
            <Source>
                <RequestorID ID="10" Type="18"/>
            </Source>
        </POS>
```

```
        <RatePlans>
                <RatePlan>
                        <RatePlanCandidates>
                                <RatePlanCandidate RatePlanCode="G1"/>
                        <RatePlanCandidates>
                        <HotelRef HotelCode="10107"/>
                </RatePlan>
        </RatePlans>
</OTA_HotelRatePlanRQ>
```

20.17 Update Group Rate Response

20.17.1 Usage Profile Table

The update rate request is sent using the OTA_HotelRatePlanRS message.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS	1	Root element of the message.
@EchoToken	0..1	Optional.
@Timestamp	1	Time of the transaction.
@Version	1	Version is a mandatory attribute in OTA; therefore, it must remain Mandatory in HTNG in order to be able to use the same message.
@MessageContentCode	1	The attribute refers to the MCC OpenTravel Alliance code list which includes Rate, Package, Group.
OTA_HotelRatePlanRS / Success	1	This is the annotation that the availability status message batch was received successfully. It could be combined with warning messages if some of the messages in the batch had issues.
OTA_HotelRatePlanRS / Warnings	0..1	Optional.
OTA_HotelRatePlanRS / Warnings / Warning	1..99	Mandatory.
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelRatePlanRS / Errors	0..1	Optional.
OTA_HotelRatePlanRS / Errors / Error	1..99	Mandatory.
@Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Optional. Refers to OpenTravel Alliance list ERR. Should be used wherever possible.

Element | @Attribute	Num	Description/Contents
@RecordID	0..1	If the receiving system is able to identify within a batch of availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelRatePlanRS / RatePlans	1	Element grouping the rate plans to be transferred.
@HotelCode	1	This is the code of the property whose availability is being updated.
OTA_HotelRatePlanRS / RatePlans / RatePlan	1..n	Element defining rate plan being sent. Upper limit to be agreed by trading partners.
@RatePlanCode	1	This is the rate plan which is being uploaded/downloaded.
@RatePlanCategory	0..1	This is the segment/category which the rate being uploaded/downloaded belongs to. Only one RatePlanCategory is acceptable for RatePlan code; therefore, the RatePlanCategory must be the same for all seasons passed.
@YieldableIndicator	0..1	Boolean attribute to indicate whether the rate is yieldable or not. Only one Yieldable indicator is acceptable for RatePlan code; therefore, the Yieldable indicator must be the same for all seasons passed.
@YieldDeltaAmount	0..1	Numeric attribute indicating the amount to be added or subtracted to the rate to determine the real "yieldable" value of the rate.
@MarketCode	0..1	String attribute to indicate the market code for the rate. Only one MarketCode is acceptable for RatePlan code; therefore, the MarketCode must be the same for all seasons passed.
@RestrictedDisplayIndicator	0..1	This attribute is a boolean to indicate if the rate is to be considered "Confidential". Only one Confidential attribute is acceptable for each RatePlan code; therefore, the attribute must be the same for all seasons passed.
@RatePlanNotifType	1	This enumeration indicates whether the upload/download is meant to overwrite existing data or add to it. Possible enumerations are: New, Delta, Overlay, Remove.
@Start, @End	1	The first and last dates of the season which is being uploaded/downloaded for the rate.
@InventoryAllocatedInd	0..1	Boolean attribute to indicate whether the inventory allocated to this rate is taken out of the house inventory. Only one InvBlock indicator is acceptable for RatePlan code; therefore, the InvBlock indicator must be the same for all seasons passed.
@IsCommissionable	1	This indicates whether the rate season is commissionable or not. If the Boolean is sent as False, the rate season is not commissionable. If the Boolean is set to "True", but NO commission is sent in the commission element, then the commission to be applied is the default one for the property. If the Boolean is set to True and a commission is passed in the field then the commission sent is the one applied to the rate season.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Desciption	2	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded / downloaded.

Element | @Attribute	Num	Description/Contents
@Name	1	This element should be repeated twice: one instance for the short description and the other for the long description of the rate that is being uploaded/downloaded.
		Its value must be 'Short decription' in one instance and 'Long Description' in the other.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Description / Text	1	This element inside the Description element described above has the actual text corresponding to the long and short description of the rate being uploaded/downloaded.
OTA_HotelRatePlanRS / RatePlans / RatePlan / UniqueID	1	
@Type	1	Refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single rate plan message for error reporting purposes.
@ID	1	ID is a unique incremental number for each rate plan message that identifies that specific message.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Commission	0..1	
@Percent	0..1	This is the amount of commission paid to an agency for booking the rate that is being uploaded/downloaded.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules	0..1	Optional. Used to transfer booking rules.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule	1..n	Mandatory if BookingRules is transferred.
@MinAdvancedBookingOffset	0..1	This is the minimum amount of days prior to arrival that the rate can be booked.
@MaxAdvancedBookingOffset	0..1	This is the maximum amount of days prior to arrival that the rate can be booked.
@AbsoluteCutOff	1	This is the release date on which the allotment of rooms set aside for the group will be released back into the house inventory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay	0..1	SetMinLOS & SetMaxLOS Mandatory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / LengthsOfStay / LengthOfStay	1..n	SetMinLOS & SetMaxLOS Mandatory.

Element | @Attribute	Num	Description/Contents
@MinMaxMessageType =SetMinLOS, @Time @TimeUnit	0..1	This is the minimum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
@MinMaxMessageType =SetMaxLOS, @Time @TimeUnit	0..1	This is the maximum length of stay requirement associated to the rate that is being uploaded/downloaded. See note at the beginning of the document with regards to alternative solution on how to transmit the LOS restrictions.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships	0..n	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership /	1	Path to BookingChannelCodes.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles	1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile	1..n	
@ProfileType	1	ProfileType uses an OpenTravel Alliance code list and for Group rate upload must default to code nr 6 – Group.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / CompanyName	1	This is the name of the Organizer of the group.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / AddressLine	1	This is the Street address of the Organizer of the group.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / CityName	1	This is the City of the Organizer of the group.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / AddressInfo / CountryName	1	This is the Country of the Organizer of the group.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / TelephoneInfo /	1	
@PhoneNumber & @PhoneTechType	1	This is the Telephone number of the Organizer of the group. PhoneTechType uses an OpenTravel Alliance code list (PTT) and must be set to 1 [Voice]
@PhoneNumber & @PhoneTechType	1	This is the fax number of the Organizer of the group. PhoneTechType uses an OpenTravel Alliance code list (PTT) and must be set to 3 [Fax]
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / Profiles / Profile / CompanyInfo / Email	1	This is the email address of the Organizer of the group.
@AbsoluteCutOff	1	This is the release date on which the allotment of rooms set aside for the group will be released back into the house inventory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / AvailableDaysOfWeek	0..1	Element ot transfer DOW when stay is possible.

Element | @Attribute	Num	Description/Contents
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators selected are those in which the rate plan is available and therefore could be used to reflect when STAY is possible. Days marked as 0 (boolean) would mean on those days the rate is not available and therefore stay would not be possible. If one DOW indicator is used they must all be used.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / ArrivalDaysOfWeek	0..1	Element to transfer DOW when arrival is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which Arrival is allowed. Those set to 0 are the days in which arrival is not allowed.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / DOW_Restrictions / DepartureDaysOfWeek	0..1	Element to transfer DOW when departure is possible.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	The day of the week indicators set to 1 are those in which departure is allowed. Those set to 0 are the days in which departure is not allowed.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes /	0..1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / Viewerships / Viewership / BookingChannelsCodes / BookingChannelCode	0..n	This would be used to indicate which Channels are allowed to view and book the rate – could be substituted with SystemCode.
@Sort	0..1	The attribute "sort" can be associated to each code. Must be a string where we can pass C for closed as well as a selling order.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates	0..1	Includes all rates loaded for the rate plan.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate	1..n	Upper limit may be agreed upon partners.

Element | @Attribute	Num	Description/Contents
@Start, @End	0..1	This set of Start and End attribute represent the start and end of each season which is being transferred with the rate. HOWEVER, if the Start and End attribute at rate plan level are used to indicate each season, the Start and End attribute at rate level WOULD ONLY BE USED in case of DOW variations – if no DOW variation is needed the Start and end attributes at Rate level could be omitted.
@CurrencyCode	1	This is the currency associated to the rate that is being uploaded/downloaded – it could be different to the currency loaded for the property.
@YieldValue	0..n	Optional AND NOT CURRENTLY in the OpenTravel Alliance message. A comment has been submitted to OpenTravel Alliance to request addition for the 2005B release. It will be a numeric attribute.
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1 per day	These DOW indicators are used to specify to which days the rate passed is applicable. If one is sent, they must all be sent and rates must be sent for each exception. If there is an exception to the pricing DOW indicators must be passed and the Rate element is then repeated for the exception days. Exception to the pricing are only allowed if no stay or arrival restriction have been applied - ONLY ONE EXCEPTION IS ALLOWED (2 SETS OF PRICING PER RATE SEASON).
@InvTypeCode	1	This is the room type for which the rates are transferred.
		For each room type a new instance of the Rate element must be passed. If the room type is transmitted with rate values attached it will be considered opened at the price indicated. If the room type is passed with a 0 value it will be considered closed for that rate plan (i.e., not applicable for the rate plan). If in a modification message a room type that was previously loaded is Not sent, then it remains unchanged.
@Status	0..1	This is used to indicate for each room code passed for the rate whether it is opened or closed. Default value to be agreed by partners.
@RateTimeUnit, @UnitMultiplier	0..1	If NOT sent the default assumed is always 1 day (i.e., the rate is based on a nightly rate).
		Rate Time unit is an Enumeration of time units upon which the RateAmount is based (e.g., daily, weekly, single rate for full stay).
		UnitMultiplier is the number of RateTimeUnits that the rate Amount is based upon (e.g., rate for one day in case of nightly rates).
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount	0..n	Used to transfer extra adult and extra child information.
@AgeQualifyingCode	0..1	@AgeQualifyingCode - 8 = child, 10 = adult.
@Percent OR @Amount	0..1	This is the percentage of the single rate that represents the child rate. Could also be expressed as fixed amount.
OTA_HotelRatePlanRS / RatePlans / RatePlan / Rates / Rate / BaseByGuestAmnts / BaseByGuestAmt	1..n	AT LEAST 1 INSTANCE FOR NUMBEROFGUESTS=1 is Mandatory.

Element | @Attribute	Num	Description/Contents
@NumberOfGuests	1	The NumberOfGuest Attribute indicates what type of rate is being passed – if NumberOfGuests is = 1 then we are transmitting a single rate, if higher than 1 then it is a double or full occupancy 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_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee	0..1	Linked to Total Pricing – used to pass all Tax and fees info.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee	1..n	Repeatable once per fee.
@Type	0..1 per Fee	An enumeration to indicate whether the fee is inclusive, exclusive, or cumulative.
@Code	0..1 per Fee	The Code attribute refers to the OpenTravel Alliance FeeTaxType code list and is used to indicate what fee is being transferred. Code used will be: 17– Total Tax 16 – Surcharge 14 – Service charge 27 – Miscellaneous 19 – VAT/GST Tax 8 – Lodging tax 15 – State tax 3 – City tax 10 – Occupancy tax 34 – Local Fee A request has been made to OpenTravel Alliance for the MPT list to be accessible from the same attribute so that meal plan info can also be passed in the same field.
@Amount OR @Percent	1 per Fee	Either @Amount or @Percent is Mandatory.
@Charge Unit	0..1	Charge Unit is used to indicate the unit of measure of the fee/tax passed: Based on the OTACharge Type code list, some examples are: 18 - Per room per stay 19 - Per room per night 20 - Per person per stay 21 - Per person per night
@CurrencyCode	0..1	
@MandatoryIndicator	0..1	MandatoryIndicator is a boolean Attribute. This will indicate if the fee or meal plan passed is Mandatory or not and will help in the determination of the calculation for total pricing.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description	0..1	Linked to Total Pricing – used to pass all Tax and fees info. For Fees and tax that are not OpenTravel Alliance coded, Description/Text will be used to indicate the fee that is being passed. Only one description allowed for each fee element.
OTA_HotelRatePlanRS / RatePlans / RatePlan / RatePlanLevelFee / Fee / Description / Text	1	Description of the fee.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties /	0..1	Used to transfer the Cancellation penalty for the rate plan transferred.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty	0..1	
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline	0..1	
@AbsoluteDeadline	0..1	This is used to indicate the "exact date" or "exact date and time" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / Deadline		This is used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
		The following three attributes are used to indicate the "number of days or hours", "before arrival", or "after booking" by which a reservation made for the rate passed needs to be cancelled in order to avoid penalties.
@OffsetDropTime	0..1	An enumeration to indicate BeforeArrival or AfterBooking.
@OffsetUnitMultiplier	0..1	A numeric to indicate the number of hours or days by which to cancel.
@OffsetTimeUnit	0..1	An enumeration to indicate whether we are talking about hours or days. Possible enumerations for OpenTravel Alliance are various BUT RECOMMENDED ENUMERATIONS to be used by HTNG should only be: Hour and Day.

Element | @Attribute	Num	Description/Contents
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / CancelPenalties / CancelPenalty / AmountPercent	1	Conditionally Mandatory. If a Deadline is passed, then an AmountPercent must also be indicated using the appropriate attribute.
@NmbrOfNights OR @Amount OR @Percent	1	Conditionally Mandatory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees /	0..1	This is used to transfer Guarantee AND/OR Deposit policies for the rate.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee	1..n	This is used to indicate the specific Guarantee AND/OR Deposit policy for the rate.
@GuaranteePolicyType	0..1	To pass a Guarantee policy, the GuaranteeType attribute will be set to GuaranteeRequired. To pass a deposit it will be set to DepositRequired.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted	1	Conditionally Mandatory - if GuaranteeType is passed.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted	1	Mandatory.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	Mandatory.

Element | @Attribute	Num	Description/Contents
@GuaranteeCode	1	The Code associated to the guarantee or deposit. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
@CardType	1	Used to indicate that the deposit or guarantee must be provided by credit card. Set to Card Type OpenTravel Alliance code CDT nr 1- Credit.
OTA_HotelRatePlanRS / RatePlans / RatePlan / BookingRules / BookingRule / AcceptableGuarantees / AcceptableGuarantee / GuaranteeDescription / Text	0..1	
@GuaranteeCode	0..1	Goes with the GuaranteeCode attribute and describes the Guarantee or Deposit requirement. For instance: GuaranteeCode = GCD, GuranteeDescription/Text = Guarantee by Corporate ID GuaranteeCode = DDP, GuranteeDescription/Text = Deposit by Check,Transfer

20.17.2 Example Message

Scenario:
PMS "ABC" needs to transmit the following Rate download to CRS "123"
MessageContentCode: Group rate
Hotel Code   10107
Rate plan   G1
Rate segment   G
YieldableN
Inventory Block   Yes
MarkeCode   Test1
Start date: Dec 20th 2009
End date: Dec 31st 2009
Short Description Xmas Group 09
Long Description rate includes Xmas party dinner
Commission Percentage   8.50
Min LOS 7
Max LOS10
Min adv Booking req   30
Max adv Booking req   90
Organizer's NamePartyLand Company
Organizer's Street   LyonerStrasse 40
Organizer's City   Frankfurt
Organizer's State Germany
Organizer's Phone   49 69 664 65100
Organizer's email partyland@parties.com
Organizer's fax   49 69 664 65101
Release date   Dec 1st 2009
Stay Allowed   All days
Arrival Allowed   All days

Departure Allowed   All days
Channel allowed GDS and Voice only
Currency   Euro
Yield value   -50.00
Child rate percentage   50
Guarantee   Deposit by CC required
Cancellation   Cancellation 30 days prior to arrival
Cancellation penalty   50% of stay
Taxes - VAT   17.50% incl.
Surcharges   Flat fee of EUR 5.00 per person per night excl.
Full American Bkf 25.00 per person per day excl.
Exception days   Fri-Sat-Sun
Room Type: C2T
Single price: 100.00
Full price: 180.00
Extra bed price   30
Exception pricing:
Single price: 120.00
Full price: 200.00
Extra bed price   50

```xml
<OTA_HotelRatePlanRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-08-
03T09:30:47-05:00" MessageContentCode="9">
        <Success/>
        <!-- MessageContentCode=9 for Group Rate Update -->
        <RatePlans HotelCode="10107">
                <RatePlan RatePlanNotifType="New" RatePlanCode="G1" RatePlanCategory="G" Start="2009-12-20" End="2009-12-31"
CurrencyCode="EUR" YieldableIndicator="false" MarketCode="Test1" InventoryAllocatedInd="true" IsCommissionable="1">
                        <BookingRules>
                                <BookingRule MinAdvancedBookingOffset="P30D" MaxAdvancedBookingOffset="P90D" AbsoluteCutoff="2009-12-01">
                                        <AcceptableGuarantees>
                                                <AcceptableGuarantee GuaranteePolicyType="DepositRequired" GuaranteeCode="DCC">
                                                        <GuaranteesAccepted>
                                                                <GuaranteeAccepted>
                                                                        <PaymentCard CardType="1"/>
                                                                </GuaranteeAccepted>
                                                        </GuaranteesAccepted>
                                                        <GuaranteeDescription>
                                                                <Text>Deposit by credit card</Text>
                                                        </GuaranteeDescription>
                                                </AcceptableGuarantee>
                                        </AcceptableGuarantees>
                                        <CancelPenalties>
                                                <CancelPenalty>
                                                        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="30"/>

                                                        <AmountPercent Percent="50.00">
                                                        </AmountPercent>
                                                </CancelPenalty>
                                        </CancelPenalties>
                                        <LengthsOfStay>
```

```xml
                                    <LengthOfStay MinMaxMessageType="SetMinLOS" Time="5" TimeUnit="Day">
                                    </LengthOfStay>
                                    <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day">
                                    </LengthOfStay>
                            </LengthsOfStay>
                            <DOW_Restrictions>
                                    <AvailableDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                                    <ArrivalDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                                    <DepartureDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                            </DOW_Restrictions>
                            <Viewerships>
                                    <Viewership>
                                            <Profiles>
                                                    <Profile ProfileType="6">
                                                            <CompanyInfo>
                                                                    <CompanyName>PartyLand Company</CompanyName>
                                                                    <AddressInfo>
                                                                            <AddressLine>Lyonerstrasse 40</AddressLine>
                                                                            <CityName>Frankfurt</CityName>
                                                                            <CountryName>Germany</CountryName>
                                                                    </AddressInfo>
                                                                    <TelephoneInfo PhoneNumber="49 69 664 65100" PhoneTechType="1"/>
                                                                    <TelephoneInfo PhoneNumber="49 69 664 65101" PhoneTechType="3"/>
                                                                    <Email>partyland@parties.com</Email>
                                                            </CompanyInfo>
                                                    </Profile>
                                            </Profiles>
                                            <BookingChannelCodes>
                                                    <BookingChannelCode Sort="0">AA</BookingChannelCode>
                                                    <BookingChannelCode Sort="0">1A</BookingChannelCode>
                                                    <BookingChannelCode Sort="0">UA</BookingChannelCode>
                                                    <BookingChannelCode Sort="0">TW</BookingChannelCode>
                                                    <BookingChannelCode Sort="0">VC</BookingChannelCode>
                                            </BookingChannelCodes>
                                    </Viewership>
                            </Viewerships>
                    </BookingRule>
            </BookingRules>
            <Rates>
                    <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="1" Sun="1" Mon="0"
Tue="0" Weds="0" Thur="0" Fri="1">
                            <BaseByGuestAmts>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="120.00">
                                    </BaseByGuestAmt>
                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="200.00">
                                    </BaseByGuestAmt>
                            </BaseByGuestAmts>
                            <AdditionalGuestAmounts>
                                    <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                    </AdditionalGuestAmount>
                                    <AdditionalGuestAmount Amount="50.00" AgeQualifyingCode="10">
                                    </AdditionalGuestAmount>
                            </AdditionalGuestAmounts>
                    </Rate>
```

```xml
                                <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="0" Sun="0" Mon="1"
Tue="1" Weds="1" Thur="1" Fri="0">
                                        <BaseByGuestAmts>
                                                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="100.00">
                                                </BaseByGuestAmt>
                                                <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="180.00">
                                                </BaseByGuestAmt>
                                        </BaseByGuestAmts>
                                        <AdditionalGuestAmounts>
                                                <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                                </AdditionalGuestAmount>
                                                <AdditionalGuestAmount Amount="30.00" AgeQualifyingCode="10">
                                                </AdditionalGuestAmount>
                                        </AdditionalGuestAmounts>
                                </Rate>
                        </Rates>
                        <RatePlanLevelFee>
                                <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="EUR">
                                </Fee>
                                <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="EUR">
                                </Fee>
                                <Fee ChargeUnit="21" Type="Exclusive" Amount="25.00" CurrencyCode="EUR">
                                        <Description>
                                                <Text>Full American Breakfast</Text>
                                        </Description>
                                </Fee>
                        </RatePlanLevelFee>
                        <Commission Percent="8.50"/>
                        <Description Name="Short description">
                                <Text>Xmas Group 2009</Text>
                        </Description>
                        <Description Name="Long description">
                                <Text>rate includes Xmas party dinner</Text>
                        </Description>
                </RatePlan>
        </RatePlans>
</OTA_HotelRatePlanRS>

<OTA_HotelRatePlanRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelRatePlanRS.xsd" Version="1.001" EchoToken="000" TimeStamp="2009-08-
03T09:30:47-05:00" MessageContentCode="9">
        <!-- MessageContentCode=9 for Group Rate Update -->
        <RatePlans HotelCode="HXCAIZZ">
                <RatePlan RatePlanNotifType="New" RatePlanCode="G1" RatePlanCategory="G" Start="2009-12-20" End="2009-12-31"
CurrencyCode="EUR" YieldableIndicator="false" MarketCode="Test1" InventoryAllocatedInd="true" IsCommissionable="1">
                        <BookingRules>
                                <BookingRule MinAdvancedBookingOffset="P30D" MaxAdvancedBookingOffset="P90D" AbsoluteCutoff="2009-12-01">
                                        <AcceptableGuarantees>
                                                <AcceptableGuarantee GuaranteePolicyType="DepositRequired" GuaranteeCode="DCC">
                                                        <GuaranteesAccepted>
                                                                <GuaranteeAccepted>
                                                                        <PaymentCard CardType="1"/>
                                                                </GuaranteeAccepted>
                                                        </GuaranteesAccepted>
```

```xml
                                                <GuaranteeDescription>
                                                        <Text>Deposit by credit card</Text>
                                                </GuaranteeDescription>
                                        </AcceptableGuarantee>
                                </AcceptableGuarantees>
                                <CancelPenalties>
                                        <CancelPenalty>
                                                <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
OffsetUnitMultiplier="30"/>

                                                <AmountPercent Percent="50.00">
                                                </AmountPercent>
                                        </CancelPenalty>
                                </CancelPenalties>
                                <LengthsOfStay>
                                        <LengthOfStay MinMaxMessageType="SetMinLOS" Time="5" TimeUnit="Day">
                                        </LengthOfStay>
                                        <LengthOfStay MinMaxMessageType="SetMaxLOS" Time="10" TimeUnit="Day">
                                        </LengthOfStay>
                                </LengthsOfStay>
                                <DOW_Restrictions>
                                        <AvailableDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                                        <ArrivalDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                                        <DepartureDaysOfWeek Sun="1" Sat="1" Tue="1" Mon="1" Fri="1" Weds="1" Thur="1"/>
                                </DOW_Restrictions>
                                <Viewerships>
                                        <Viewership>
                                                <Profiles>
                                                        <Profile ProfileType="6">
                                                                <CompanyInfo>
                                                                        <CompanyName>PartyLand Company</CompanyName>
                                                                        <AddressInfo>
                                                                                <AddressLine>Lyonerstrasse 40</AddressLine>
                                                                                <CityName>Frankfurt</CityName>
                                                                                <CountryName>Germany</CountryName>
                                                                        </AddressInfo>
                                                                        <TelephoneInfo PhoneNumber="49 69 664 65100" PhoneTechType="1"/>
                                                                        <TelephoneInfo PhoneNumber="49 69 664 65101" PhoneTechType="3"/>
                                                                        <Email>partyland@parties.com</Email>
                                                                </CompanyInfo>
                                                        </Profile>
                                                </Profiles>
                                                <BookingChannelCodes>
                                                        <BookingChannelCode Sort="0">AA</BookingChannelCode>
                                                        <BookingChannelCode Sort="0">1A</BookingChannelCode>
                                                        <BookingChannelCode Sort="0">UA</BookingChannelCode>
                                                        <BookingChannelCode Sort="0">TW</BookingChannelCode>
                                                        <BookingChannelCode Sort="0">VC</BookingChannelCode>
                                                </BookingChannelCodes>
                                        </Viewership>
                                </Viewerships>
                        </BookingRule>
                </BookingRules>
                <Rates>
```

```xml
                                    <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="1" Sun="1" Mon="0"
Tue="0" Weds="0" Thur="0" Fri="1">
                                            <BaseByGuestAmts>
                                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="120.00">
                                                    </BaseByGuestAmt>
                                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="200.00">
                                                    </BaseByGuestAmt>
                                            </BaseByGuestAmts>
                                            <AdditionalGuestAmounts>
                                                    <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                                    </AdditionalGuestAmount>
                                                    <AdditionalGuestAmount Amount="50.00" AgeQualifyingCode="10">
                                                    </AdditionalGuestAmount>
                                            </AdditionalGuestAmounts>
                                    </Rate>
                                    <Rate RateTimeUnit="Day" UnitMultiplier="1" InvTypeCode="C2T" CurrencyCode="EUR" Sat="0" Sun="0" Mon="1"
Tue="1" Weds="1" Thur="1" Fri="0">
                                            <BaseByGuestAmts>
                                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="1" AmountAfterTax="100.00">
                                                    </BaseByGuestAmt>
                                                    <BaseByGuestAmt AgeQualifyingCode="10" NumberOfGuests="2" AmountAfterTax="180.00">
                                                    </BaseByGuestAmt>
                                            </BaseByGuestAmts>
                                            <AdditionalGuestAmounts>
                                                    <AdditionalGuestAmount Percent="50" AgeQualifyingCode="8">
                                                    </AdditionalGuestAmount>
                                                    <AdditionalGuestAmount Amount="30.00" AgeQualifyingCode="10">
                                                    </AdditionalGuestAmount>
                                            </AdditionalGuestAmounts>
                                    </Rate>
                            </Rates>
                            <RatePlanLevelFee>
                                    <Fee Percent="17.50" Type="Inclusive" ChargeUnit="12" Code="19" CurrencyCode="EUR">
                                    </Fee>
                                    <Fee ChargeUnit="21" Type="Exclusive" Code="16" Amount="5.00" CurrencyCode="EUR">
                                    </Fee>
                                    <Fee ChargeUnit="21" Type="Exclusive" Amount="25.00" CurrencyCode="EUR">
                                            <Description>
                                                    <Text>Full American Breakfast</Text>
                                            </Description>
                                    </Fee>
                            </RatePlanLevelFee>
                            <Commission Percent="8.50"/>
                            <Description Name="Short description">
                                    <Text>Xmas Group 2009</Text>
                            </Description>
                            <Description Name="Long description">
                                    <Text>rate includes Xmas party dinner</Text>
                            </Description>
                    </RatePlan>
            </RatePlans>
</OTA_HotelRatePlanRS>
```

20.18 FAQ

20.18.1 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.

Part 6   Inventory, Version 1.0

Chapter 21   Acknowledgements

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Sharron Bragg, Trust International

Tasha McKenize, PAR Springer-Miller Systems

Lorie Grant, PAR Springer-Miller Systems

Clive Taylor, EzRMS

Chapter 22   Document Information

22.1   Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles for Reservation Messages for Property Distribution based on the OpenTravel Alliance ("OTA") specifications published by this organization.

22.2   Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for reservation messages and is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

22.3   Overview

The messages in the OpenTravel Alliance specification cover a large number of optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

22.4   Referenced Documents

The following documents are referenced in this document:

The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

22.5   Terminology

Table 1 defines terms and acronyms used throughout this document.

Table 1: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance
XML	Extensible Markup Language – This is a general-purpose markup language for creating special- purpose markup languages, capable of describing different kinds of data.

22.6   Assumptions and Dependencies

It is assumed the usage profiles 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 usage profiles.

3. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release.

Chapter 23 Inventory Count Notif

23.1   Overview

The Hotel Inventory Count message pair provides the ability for a Reservation Broker to request inventory amounts from a Reservation Server. The request message allows the Reservation Broker to resynchronize inventory due to a system outage or if a Reservation Service is behind a restrictive firewall, the need to request inventory is necessary.

The Hotel Inventory Count request message allows a Reservation Broker to filter another system for hotel room inventory (e.g. room type codes). The request message can be minimally limited to an individual property or a collection of properties for a specified date range and/or it can further specify room type code(s).

Based on the criteria specified in the request message, the response message contains the set of inventory count controls. The Hotel Inventory Count response message is similar to the Hotel Inventory Count Notify request in that it can contain physical inventory counts or it can be a subset/threshold of actual physical inventory.

23.2   Behavior

The process being facilitated is that of requesting availability and/or inventory and/or restrictions from System A to System B (where system A is generally, but not exclusively, a CRS and system B is generally, but not exclusively, a PMS).

Based on the type of information that needs to be exchanged, System A will select the appropriate usage profile and fill in the XML according to the guidelines provided in the specific profile.

System A will then send the XML to the appropriate webservice set up by System B. System B will respond using the correct response for the selected profile. System A will log the response received from System B.

Behavior expected prior to Transmission

The behavior expected from System A will be:
• Usage of the appropriate profile for the type of information to be sent
• Translation of availability information into codes understood by System B (if required)
• Provision of all fields classed as mandatory in the profile
• Validation of XML message format
• Transmission of the XML to appropriate URL set up by System B using the appropriate identification criteria (soap user and password provided by System B)

Behavior expected upon receipt of response message from Recipient

Once the XML has been processed by System B, System A will need to:
• Keep a log of the response message transmitted back by System B
• Be able to evaluate error responses coming from System B
• React to error responses as need: by modifying the XML and/or ensuring correct mapping tables are used

Behavior expected from Recipient System

Upon receipt of the XML message the behavior expected from System B will be:
• Process XML received by System A
• Return hotel availability data and/or inventory and/or restriction information contained in the XML requested by System A
• If it is not possible to process the message: create an error response as defined in the profile and transmit the response to System A
• Acknowledge successful/unsuccessful processing of the request using the appropriate response message

23.3   Usage Profiles

23.3.1   OTA_HotelInvCountNotifRQ

Element |@Attribute	Num	Description/Contents
OTA_HotelInvCountNotifRQ	1	Root element of the message
@EchoToken	0..1	Optional
@TimeStamp	1	Timestamp of the transaction
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message
OTA_HotelInvCountNotifRQ / POS / Source	1	Optional. This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
OTA_HotelInvCountNotifRQ / POS / Source / RequestorID	1	The system sending the request message. An identifier of the entity making the request (e.g. ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	Type attribute uses the OpenTravel Alliance code list UIT. For example, type 22 – ERSP (Electronic reservation service provider).
@ID	1	ID is used for the name or ID of the requestor. For example, SynXis.
OTA_HotelInvCountNotifRQ / Inventories	1	A collection of Inventory. Hotel identification information are the attributes of this element.
@ChainCode	0..1	Optional. The chain code for which the availability request is for.
@ BrandCode	0..1	Optional. The Brand Code for which the availability request is for.
@ HotelCode	1	This it the code of the property whose availability is being requested.
OTA_HotelInvCountNotifRQ / Inventories / Inventory	1..n	This is the inventory information for a given rate plan, room type, date, etc
OTA_HotelInvCountNotifRQ / Inventories / Inventory / StatusApplicationControl	0..n	Information on what the InvCountNotif Message applies to (i.e. the combination of inventory and/or rate codes) and the period of application.
@Start, @End	1	The first and last dates for which the availability update is being sent
@Mon,@Tue,@Weds,@Thur, @Fri,@Sat,@Sun	0..1	The day of the week indicators are used to communicate which days of the week the update pertains to. If one is sent they must all be sent.
@AllInvCode	0..1	When true indicates that the data transmitted is for total inventory in the hotel. This field is required if @InvTypeCode is not set.

Element |@Attribute	Num	Description/Contents
@InvTypeCode	0..1	This is the room type code for which the update is being sent. This field is required if @AllInvCode="false" or missing. This field should not be sent if @AllInvCode="true"
@InvBlockCode	0..1	Code that identifies an inventory block
@RatePlanCode	0..1	Code that identifies the rate plan associated with an inventory block.
OTA_HotelInvCountNotifRQ / Inventories / Inventory / InvCounts	0..1	A collection of inventory counts.
OTA_HotelInvCountNotifRQ / Inventories / Inventory / InvCounts / InvCount	1..n	Individual inventory count (e.g. Physical, Available, Sold, OOO, NAFS).
@CountType	1	This identifies the type of inventory count being reported. Refer to OpenTravel Code List Inventory Count Type (INV). 1 Physical 2 Definitive availability 3 Tentative availability 4 Definite sold 6 Out of order 8 Out of inventory 16 Group authorized 17 Group sold 18 Group available
@Count	1	Number of rooms of this type available for sale
OTA_HotelInvCountNotifRQ / Inventories / Inventory / UniqueID	0	Used in response message in the case of an error to indicate which node failed.
@Type	0	Type refers to OpenTravel Alliance code list UIT – nr 16 = Reference. This is used to identify each single availability status message for error reporting purposes.
@ID	0	ID is a unique incremental number for each availability message that identifies that specific message.

23.3.2   OTA_HotelInvCountNotifRS

Element |@Attribute	Num	Description/Contents
OTA_HotelInvCountNotifRS	1	Root element of the message
@EchoToken	0..1	Optional
@TimeStamp	1	Timestamp of the transaction
@Version	1	Version is a mandatory attribute in OTA. Therefore it must remain in HTNG in order to be able to use the same message
OTA_HotelInvCountNotifRS / Success	1	This is the annotation that the availability request was received successfully. It could be combined with warning messages if some of the messages in the batch had issues
OTA_HotelInvCountNotifRS	1..n	

Element |@Attribute	Num	Description/Contents
/ Warnings		
@ Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.
OTA_HotelInvCountNotifRS / Errors	1	Errors are returned if the request was unable to be processed.
@ Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@ Code	0..1	Optional. 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 availability status messages which specific message failed, the UniqueID of the message should be reported here.

23.4   Example Messages

23.4.1   Hotel Request

OTA_HotealInvCountNotifRQ

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRQ        xmlns="http://www.opentravel.org/OTA/2003/05"         xmlns:xsi="http://www.w3.org/2001/XMLXSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRQ.xsd" TimeStamp="2005-10-01T09:41:51.982" Version="1.001">
    <Inventories HotelCode="10001" HotelName="Test Hotel">
      <Inventory>
        <UniqueID Type="16" ID="1" />
        <StatusApplicationControl Start="2010-03-01" End="2010-03-15" AllInvCode="True"/>
        <InvCounts>
          <InvCount CountType="1" Count="20" />
          <InvCount CountType="2" Count="17" />
          <InvCount CountType="6" Count="1" />
          <InvCount CountType="8" Count="2" />
        </InvCounts>
      </Inventory>
    </Inventories>
  </OTA_HotelInvCountNotifRQ>
```

Response: The PMS responds with Success.

OTA_HotealInvCountNotifRS

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
            </OTA_HotelInvCountNotifRS>
```

23.4.2 Specified Room Type

Request: The CRS system sends a request to hotel ABC123 requesting booking limit inventory data for the period between January 1, 2009 and April 30, 2009 for room type code DLX.

OTA_HotelInvCountNotifRQ

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLXSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRQ.xsd" TimeStamp="2005-10-01T09:41:51.982" Version="1.001">
    <Inventories HotelCode="10001" HotelName="Test Hotel">
      <Inventory>
        <UniqueID Type="16" ID="1" />
        <StatusApplicationControl Start="2010-03-01" End="2010-03-15" InvTypeCode="King" AllInvCode="False"/>
        <InvCounts>
          <InvCount CountType="1" Count="20" />
          <InvCount CountType="2" Count="17" />
          <InvCount CountType="6" Count="1" />
          <InvCount CountType="8" Count="2" />

        </InvCounts>
      </Inventory>
    </Inventories>
  </OTA_HotelInvCountNotifRQ>
```

Response: Success.

OTA_HotelInvCountNotifRS

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
                  </OTA_HotelInvCountNotifRS>
```

23.4.3 Specified Room Type including Group Block

OTA_HotelInvCountNotifRQ

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLXSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRQ.xsd" TimeStamp="2005-10-01T09:41:51.982" Version="1.001">
    <Inventories HotelCode="10001" HotelName="Test Hotel">
      <Inventory>
        <UniqueID Type="16" ID="1" />
        <StatusApplicationControl Start="2010-03-01" End="2010-03-15" InvTypeCode="King" AllInvCode="False" InvBlockCode="Group1" />
        <InvCounts>
          <InvCount CountType="1" Count="20" />
          <InvCount CountType="2" Count="17" />
          <InvCount CountType="6" Count="1" />
          <InvCount CountType="8" Count="2" />
```

```
                    <InvCount CountType="16" Count="4" />
                    <InvCount CountType="17" Count="1" />
                    <InvCount CountType="18" Count="6" />
                </InvCounts>
            </Inventory>
        </Inventories>
    </OTA_HotelInvCountNotifRQ>
```

Response: Success.

OTA_HotelInvCountNotifRS

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRS.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
<Success/>
                    </OTA_HotelInvCountNotifRS>
```

Part 7   Seamless Shop/Book, Version 1.2

Chapter 24   Acknowledgements

HTNG gratefully acknowledges the contributions of the following people in the development of this document:

Chapter 25 Document Information

25.1 Purpose

This document defines the Hotel Technology Next Generation ("HTNG") Usage Profiles for Reservation Messages for Property Distribution based on the OpenTravel Alliance ("OTA") specifications published by this organization.

25.2 Scope

This document defines a common HTNG implementation of the OpenTravel Alliance specifications for reservation messages and is designed as a guide for project managers, programmers, and analysts to gain detailed information needed to implement these messages.

25.3 Overview

The messages in the OpenTravel Alliance specification cover a large number of optional fields and the same information could be transferred in a number of different fields.

The intent of the HTNG usage profiles 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 then one field, thus avoiding confusion.

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

25.4 Referenced Documents

The following documents are referenced in this document:

The OpenTravel Alliance Specifications, published twice yearly and available at: www.opentravel.org.

25.5 Terminology

Table 3 defines terms and acronyms used throughout this document.

Table 4: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation
OTA	OpenTravel Alliance
XML	Extensible Markup Language – This is a general-purpose markup language for creating special- purpose markup languages, capable of describing different kinds of data.

25.6 Assumptions and Dependencies

It is assumed the usage profiles provide a common starting point for the definition of the messages exchanged and that the implementers of these messages will:

4. Add expansions as needed to enable exchange of additional information while retaining compliance with the OpenTravel Alliance specifications.

5. Report expansions deemed common to HTNG for consideration as additional usage profiles.

6. Report any missing elements or attributes to OpenTravel Alliance for inclusion in a future specification release.

Chapter 26 Usage Profiles

26.1   Seamless Shopping Request

The basic on demand shopping request usage profile covers the basic use case in which a system with the ability to book reservations sends a request for availability to a system which 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.

26.1.1   Scope

This usage profile includes a simple availability request and response from the holding system.

26.1.2   Check Availability Request

The availability request will make use of the OTA_HotelAvailRQ mesasge.

Usage Profile Table

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 which is making the availability request..

Element | @Attribute	Num	Description/Contents
@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 to by the trading partners and 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;" however, the initial implementation of this message will only support "Room."
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.

Element	@Attribute	Num	Description/Contents
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).
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates /	0..1	Collection of requested room stays.

Element | @Attribute	Num	Description/Contents
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
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 look up 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:

Element | @Attribute	Num	Description/Contents
		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 which is associated to the one that is being transferred
@ResID_Source	1	A unique identifier to indicate the source system which generated the ResID_Value.

26.1.3   Check Availability Response

The availability response will make use of the OTA_HotelAvailRS mesasge.

Usage Profile Table

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 / 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.
OTA_HotelAvailRS / RoomStays	0..1	A collection of room stay elements

Element | @Attribute	Num	Description/Contents
OTA_HotelAvailRS / RoomStays / Room Stay	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 where the business came from 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 / Room Stay / RoomTypes	1	A collection of Room Types associated with a particular RoomStay.
OTA_HotelAvailRS / RoomStays / Room Stay / 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 / Room Stay / 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).
@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 /	0..n	Occupancy information by room type. This will contain the number of people allowed in the room for the rate.

Element | @Attribute	Num	Description/Contents
RoomTypes / RoomType / RoomDescription / Occupancy		
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. Examples are Corporate ID.
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / Guarantee	0..5	Guarantee information that applies to the rate plan. A maximum of 5 occurances 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.
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties / CancelPenalty	0..n	
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties / CancelPenalty / PenaltyDescription	0..n	Text noting what the penalty for cancelation in
@Name	0..1	Name associated with this room description

Element | @Attribute	Num	Description/Contents
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
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

Element | @Attribute	Num	Description/Contents
@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/..
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

Element | @Attribute	Num	Description/Contents
@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).
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 itemize in the other elements.
@AmountBeforeTax	0..1	Rate amount before tax
@AmountAfterTax	0..1	Rate amount after tax
@CurrencyCode	1	CurrencyCode used ISO 4217 codes to indicate the currency the RoomRate Base is sent in
@DecimalPlaces	0..1	Number of decimal place in rate
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 used ISO 4217 codes to indicate the currency if difference 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
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax / TaxDescription	0..1	

Element | @Attribute	Num	Description/Contents
@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
@CurrencyCode	0..1	CurrencyCode used ISO 4217 codes to indicate the currency. If difference from value under base
@DecimalPlaces	0..1	If difference from value under base
OTA_HotelAvailRS /	0..1	

Element | @Attribute	Num	Description/Contents
RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes		
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 used 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 /	0..n	Description of the tax.

Element | @Attribute	Num	Description/Contents
AdditionalGuestAmount / Amount / Taxes / Tax / TaxDescription / Text		
@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 fee is tax inclusive. Y or N value
@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 used 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	

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
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 used ISO 4217 codes to indicate the currency of the discount being transfered
@TaxInclusive	0..1	Y or N value
@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 used ISO 4217 codes to indicate the currency. If different 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
Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description
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 / 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

Element | @Attribute	Num	Description/Contents
		10-Adult
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 / 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 itemize in the other elements.
@AmountBeforeTax	0..1	Total amount before tax
@AmountAfterTax	0..1	Total amount including tax
@CurrencyCode	1	CurrencyCode used 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 /	1.99	

Element | @Attribute	Num	Description/Contents
Total / Taxes / Tax		
@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.
@Percent	0..1	Need to send either Percent or Amount
@Amount	0..1	Need to send either Percent or Amount
@CurrencyCode	1	CurrencyCode used 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 / BasicPropertyInfo / HotelRef	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

Element | @Attribute	Num	Description/Contents
@BrandCode	0..1	Indicates the Brand within the Chain to which the hotel belongs
OTA_HotelAvailRS / 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

Scenario 1: Standard Avail Request

Julie, a reservations manager at the Las Vegas Hotel and Casino, has been updating the availability information for the Standard, Deluxe and Suite room types in December.

Due to the popularity of the destination during the week of Dec 6th, she has added minimum lengths of stay restrictions on the room types: Standard (4), Deluxe (3), Suite (2).

She has also adjusted the prices accordingly: Standard: $140 per night, Deluxe: $220 per night, Suite $360 per night.

John, a hotel shopper, has some vacation time planned for early December and is interested in planning a trip. He has decided to visit OTA.com to get some ideas for his vacation and plan a destination. John searches the deals available on the site and decides he would like to plan a trip to Las Vegas. After looking at all the featured hotels, he decides on the Las Vegas Hotel and Casino. He searches for available rooms on December 6th – December 9th.

```
<OTA_HotelAvailRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailRQ.xsd" PrimaryLangID="en-US" TimeStamp="20100905T16:45:22Z"
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">OnlineTravelAgency.com</CompanyName>
                  </BookingChannel>
            </Source>
      </POS>
      <AvailRequestSegments>
            <AvailRequestSegment AvailReqType="Room">
                  <HotelSearchCriteria>
                        <Criterion>
                              <HotelRef HotelCode="10107"/>
                              <StayDateRange Start="12/6/2010" End="12/09/2010"/>
                              <RoomStayCandidates>
                                    <RoomStayCandidate Quantity="1">
                                          <GuestCounts>
```

```xml
                                        <GuestCount AgeQualifyingCode="10" Count="2"/>
                                    </GuestCounts>
                                </RoomStayCandidate>
                            </RoomStayCandidates>
                        </Criterion>
                    </HotelSearchCriteria>
                </AvailRequestSegment>
            </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

OTA.com takes John's requests (2 adults, arrival Dec 6th, departure Dec 9th) and passes them to Las Vegas Hotel and Casino's CRS system.

Las Vegas Hotel and Casino's CRS system receives a request from OTA.com for 2 adults, arrival Dec 6th, departure Dec 9th.

The CRS checks availability data within its system and evaluates which rooms are available based on the requested criteria. The CRS then returns available rooms with pricing information.

For that date range, the Las Vegas Hotel and Casino has 2 rooms types available (Deluxe, Suite) for $220 and $360 per night.

In order to book the room, a credit card is required. If the reservation is not cancelled by 6pm on the day of arrival the credit card will be charged for 1 night stay.

```xml
<OTA_HotelAvailRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailRS.xsd" TimeStamp="20100905T16:49:37Z"
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>
```

```xml
                                                <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="2010-12-06" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="0">
                                    <Rates>
                                        <Rate>
                                            <Base AmountBeforeTax="220.00" AmountAfterTax="258.50" CurrencyCode="USD">
                                            <Taxes>
                                                    <Tax Amount="38.50" CurrencyCode="USD"/>
                                            </Taxes>
</Base>
                                        </Rate>
                                    </Rates>
                                </RoomRate>
                                <RoomRate RoomTypeCode="STE" RatePlanCode="RAK" EffectiveDate="2010-12-06" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="0">
                                    <Rates>
                                        <Rate>
                                            <Base AmountBeforeTax="360.00" AmountAfterTax="423.00" CurrencyCode="USD">
                                            <Taxes>
                                                    <Tax Amount="63.00" CurrencyCode="USD"/>
                                            </Taxes>
</Base>
                                        </Rate>
                                    </Rates>
                                </RoomRate>
                            </RoomRates>
                            <BasicPropertyInfo HotelCode="10107" HotelName="Las Vegas Hotel and Casino"/>
                    </RoomStay>
                    <GuestCounts>
                            <GuestCount AgeQualifyingCode="10" Count="2"/>
                    </GuestCounts>
                    <TimeSpan Start="2010-12-06" End="2010-12-09"/>
            </RoomStays>
</OTA_HotelAvailRS>
```

Scenario 2: Price differences between children / adults

Julie, a reservations manager at the Las Vegas Hotel and Casino, has been updating the availability information for the Standard, Deluxe and Suite room types in December.

Due to the popularity of the destination during the week of Dec 6th, she has added minimum lengths of stay restrictions on the room types:

Standard (4), Deluxe (3), Suite (2).

She has also adjusted the prices for double occupancy accordingly: Standard: $140 per night, Deluxe: $220 per night, Suite $360 per night. Additional child fees are $10 per room type.

John, a hotel shopper, has some vacation time planned for early December and is interested in planning a trip. He has decided to visit OTA.com to get some ideas for his vacation and plan a destination. John searches the deals available on the site and decides he would like to plan a trip to Las Vegas. After looking at all the featured hotels, he decides on the Las Vegas Hotel and Casino.

He searches for available rooms on December 6th – December 9th for him and his family (2 adults and 1 child).

```xml
<OTA_HotelAvailRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailRQ.xsd" PrimaryLangID="en-US" TimeStamp="20100905T16:45:22Z"
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">OnlineTravelAgency.com</CompanyName>
                        </BookingChannel>
                </Source>
        </POS>
        <AvailRequestSegments>
                <AvailRequestSegment AvailReqType="Room">
                        <HotelSearchCriteria>
                                <Criterion>
                                        <HotelRef HotelCode="10107"/>
                                        <StayDateRange Start="12/6/2010" End="12/09/2010"/>
                                        <RoomStayCandidates>
                                                <RoomStayCandidate Quantity="1">
                                                        <GuestCounts>
                                                                <GuestCount AgeQualifyingCode="10" Count="2"/>
                                                                <GuestCount AgeQualifyingCode="8" Count="1"/>
                                                        </GuestCounts>
                                                </RoomStayCandidate>
                                        </RoomStayCandidates>
                                </Criterion>
                        </HotelSearchCriteria>
                </AvailRequestSegment>
        </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

OTA.com takes John's requests (2 adults, 1 child arrival Dec 6th, departure Dec 9th) and passes them to Las Vegas Hotel and Casino's CRS system.

Las Vegas Hotel and Casino's CRS system receives a request from OTA.com for 2 adults, 1 child arrival Dec 6th, departure Dec 9th.

The CRS checks availability data within its system and evaluates which rooms are available based on the requested criteria. The CRS then returns available rooms with pricing information.

For that date range, the Las Vegas Hotel and Casino has 2 rooms types available (Deluxe, Suite) for $230 and $370 per night.

In order to book the room, a credit card is required. If the reservation is not cancelled by 6pm on the day of arrival the credit card will be charged for 1 night stay.

```xml
<OTA_HotelAvailRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailRS.xsd" TimeStamp="20100905T16:49:37Z"
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="2010-12-06" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="0">
                                        <Rates>
                                                <Rate>
                                                        <Base AmountBeforeTax="220.00" AmountAfterTax="258.50" CurrencyCode="USD">
                                                                <Taxes>
                                                                        <Tax Amount="38.50" CurrencyCode="USD"/>
                                                                </Taxes>
```

```
                                                </Base>
                                                <AdditionalGuestAmounts>
                                                        <AdditionalGuestAmount>
                                                                <Amount AmountBeforeTax="10.00" AmountAfterTax="10.75"
CurrencyCode="USD"/>

                                                                <Taxes>
                                                                        <Tax Amount="0.75" CurrencyCode="USD"/>
                                                                </Taxes>
                                                        </AdditionalGuestAmount>
                                                </AdditionalGuestAmounts>
                                        </Rate>
                                </Rates>
                        </RoomRate>
                        <RoomRate RoomTypeCode="STE" RatePlanCode="RAK" EffectiveDate="2010-12-06" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="0">
                                <Rates>
                                        <Rate>
                                                <Base AmountBeforeTax="360.00" AmountAfterTax="423.00" CurrencyCode="USD">
                                                        <Taxes>
                                                                <Tax Amount="63.00" CurrencyCode="USD"/>
                                                        </Taxes>
                                                </Base>
                                                <AdditionalGuestAmounts>
                                                        <AdditionalGuestAmount>
                                                                <Amount AmountBeforeTax="10.00" AmountAfterTax="10.75" CurrencyCode="USD"
AgeQualifyingCode="8" />

                                                                <Taxes>
                                                                        <Tax Amount="0.75" CurrencyCode="USD"/>
                                                                </Taxes>
                                                        </AdditionalGuestAmount>
                                                </AdditionalGuestAmounts>
                                        </Rate>
                                </Rates>
                        </RoomRate>
                </RoomRates>
                <BasicPropertyInfo HotelCode="10107" HotelName="Las Vegas Hotel and Casino"/>
        </RoomStay>
        <GuestCounts>
                <GuestCount AgeQualifyingCode="10" Count="2"/>
                <GuestCount AgeQualifyingCode="8" Count="1"/>
        </GuestCounts>
        <TimeSpan Start="2010-12-06" End="2010-12-09"/>
    </RoomStays>
</OTA_HotelAvailRS>
```

Scenario 3: Different rate prices during stay

Julie, a reservations manager at the Las Vegas Hotel and Casino, has been updating the availability information for the Standard, Deluxe and Suite room types in December. Due to the popularity of the destination during the week of Dec 6th, she has added minimum lengths of stay restrictions on the room types: Standard (4), Deluxe (3), Suite (2). She has also adjusted the prices accordingly:

Standard: $140 per night,

Deluxe: $220 on Dec 6th; $230 on Dec 7th; $280 on Dec 8th

Suite: $360 on Dec 6th; $380 on Dec 7th; $450 on Dec 8th

John, a hotel shopper, has some vacation time planned for early December and is interested in planning a trip. He has decided to visit OTA.com to get some ideas for his vacation and plan a destination. John searches the deals available on the site and decides he would like to plan a trip to Las Vegas. After looking at all the featured hotels, he decides on the Las Vegas Hotel and Casino. He searches for available rooms on December 6th – December 9th.

```
<OTA_HotelAvailRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailRQ.xsd" PrimaryLangID="en-US" TimeStamp="20100905T16:45:22Z"
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">OnlineTravelAgency.com</CompanyName>
                        </BookingChannel>
                </Source>
        </POS>
        <AvailRequestSegments>
                <AvailRequestSegment AvailReqType="Room">
                        <HotelSearchCriteria>
                                <Criterion>
                                        <HotelRef HotelCode="10107"/>
                                        <StayDateRange Start="12/6/2010" End="12/09/2010"/>
                                        <RoomStayCandidates>
                                                <RoomStayCandidate Quantity="1">
                                                        <GuestCounts>
                                                                <GuestCount AgeQualifyingCode="10" Count="2"/>
                                                        </GuestCounts>
                                                </RoomStayCandidate>
                                        </RoomStayCandidates>
                                </Criterion>
                        </HotelSearchCriteria>
                </AvailRequestSegment>
        </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

OTA.com takes John's requests (2 adults, arrival Dec 6th, departure Dec 9th) and passes them to Las Vegas Hotel and Casino's CRS system.

Las Vegas Hotel and Casino's CRS system receives a request from OTA.com for 2 adults, arrival Dec 6th, departure Dec 9th. The CRS checks availability data within its system and evaluates which rooms are available based on the requested criteria. The CRS then returns available rooms with pricing information.

For that date range, the Las Vegas Hotel and Casino has 2 rooms types available (Deluxe, Suite) with different nightly pricing:

Deluxe: $220 on Dec 6th; $230 on Dec 7th; $280 on Dec 8th
Suite: $360 on Dec 6th; $380 on Dec 7th; $450 on Dec 8th.

In order to book the room, a credit card is required. If the reservation is not cancelled by 6pm on the day of arrival the credit card will be charged for 1 night stay.

```xml
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailRS xmlns:xsi="http://www.w3.org/2001/XMLSchemainstance" xmlns:xsd="http://www.w3.org/2001/XMLSchema" EchoToken=""
PrimaryLangID="en-US" TimeStamp="20100905T16:49:37Z" 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="2010-12-06" ExpireDate="2010-12-06"
ExpireDateExclusiveIndicator="1">
                                        <Rates>
                                                <Rate>
                                                        <Base AmountBeforeTax="220.00" AmountAfterTax="258.50" CurrencyCode="USD">
                                                        <Taxes>
                                                                <Tax Amount="38.50" CurrencyCode="USD"/>
                                                        </Taxes>
                                                </Base>
                                        </Rate>
</Rate>
```

```
                                                </Rates>
                                        </RoomRate>
                                        <RoomRate RoomTypeCode="DLX" RatePlanCode="RAK" EffectiveDate="2010-12-07" ExpireDate="2010-12-07"
ExpireDateExclusiveIndicator="0">
                                                <Rates>
                                                        <Rate>
                                                                <Base AmountBeforeTax="230.00" AmountAfterTax="270.25" CurrencyCode="USD">
                                                                <Taxes>
                                                                        <Tax Amount="40.25" CurrencyCode="USD"/>
                                                                </Taxes>
</Base>
                                                        </Rate>
                                                </Rates>
                                        </RoomRate>
                                        <RoomRate RoomTypeCode="DLX" RatePlanCode="RAK" EffectiveDate="2010-12-08" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="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="2010-12-06" ExpireDate="2010-12-06"
ExpireDateExclusiveIndicator="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="2010-12-07" ExpireDate="2010-12-07"
ExpireDateExclusiveIndicator="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="2010-12-08" ExpireDate="2010-12-08"
ExpireDateExclusiveIndicator="0">
                                                <Rates>
                                                        <Rate>
```

```xml
                                                    <Base AmountBeforeTax="450.00" AmountAfterTax="528.75" CurrencyCode="USD">
                                                        <Taxes>
                                                                <Tax Amount="78.75" CurrencyCode="USD"/>
                                                        </Taxes>
</Base>

                                                    </Rate>
                                            </Rates>
                                    </RoomRate>
                            </RoomRates>
                            <BasicPropertyInfo HotelCode="10107" HotelName="Las Vegas Hotel and Casino"/>
                    </RoomStay>
                    <GuestCounts>
                            <GuestCount AgeQualifyingCode="10" Count="2"/>
                    </GuestCounts>
                    <TimeSpan Start="2010-12-06" End="2010-12-09"/>
            </RoomStays>

</OTA_HotelAvailRS>
```

26.2   Seamless Reservation Request

The basic reservation request usage profile covers the basic use case in which a system with the ability to book, modify and/or cancel reservations sends a request for reservation to a system which holds inventory for booking. The intent of the messages is to provide a mechanism for one system to request a reservation be booked in another.

26.2.1   Scope

This usage profile includes a simple reservation request and response from the holding system. Both immediate confirmation and held reservation formats will be addressed.

26.2.2   Book Reservation Request

As was defined in the usage profile for the reservation notification, booking, modification and cancellations will use one message type - OTA_HotelResRQ with different reservation actions (Initiate, Book, Modify, Cancel).

Usage Profile Table

Element	@Attribute	Num	Description/Contents
OTA_HotelResRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.

Element | @Attribute	Num	Description/Contents
@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.
@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 which 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 to by the trading partners and 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.

Element | @Attribute	Num	Description/Contents
@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
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, 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 web site 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 it could be a referring property

Element | @Attribute	Num	Description/Contents
@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 which the rate being booked belongs to.
@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 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.

Element	@Attribute	Num	Description/Contents
@UnitMultiplier	1	UnitMultiplier is the number of RateTimeUnits that the rate amount is based upon (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 used 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.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan	1	These are the in and out date of the booking
@Start	1	Check in date

Element | @Attribute	Num	Description/Contents
@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	
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is expiry date of the credit card used as guarantee

Element | @Attribute	Num	Description/Contents
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 / 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
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.

Element | @Attribute	Num	Description/Contents
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	This is expiry date of the credit card used for deposit/prepayment
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

Element | @Attribute	Num	Description/Contents
@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.

Element | @Attribute	Num	Description/Contents
@CurrencyCode	1	CurrencyCode used 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	

Element | @Attribute	Num	Description/Contents
@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 programme to which the account ID belongs to
@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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.

Element | @Attribute	Num	Description/Contents
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 to 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 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 / 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 sigle 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

Element | @Attribute	Num	Description/Contents
@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]
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information
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 name First name
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	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 name Middle name

Element | @Attribute	Num	Description/Contents
/ PersonName / MiddleName		
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 name 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 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).
@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 2 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.

Element | @Attribute	Num	Description/Contents
@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 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_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

Element | @Attribute	Num	Description/Contents
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 programme that is being passed. For instance we could use it to pass: Frequent Guest, Frequent Traveller and Company ID

Element | @Attribute	Num	Description/Contents
@MembershipID	0..1	The membershipID attribute will indicate the actual nr
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 characters 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 or 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

Element | @Attribute	Num	Description/Contents
@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 area: 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

Element | @Attribute	Num	Description/Contents
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 /	0..n	The HotelReservationID element can be repeated multiple types to transfer: 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

Element	@Attribute	Num	Description/Contents
HotelReservationID		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 which 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.

26.2.3   Example Messages

Simple Reservation Request (One Part Booking Request)

```xml
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRQ.xsd" Version="1.003" EchoToken="879791878" ResStatus="Commit"
TimeStamp=" 2005-10-09T18:51:45">
      <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="2008-10-09T08:51:45" CreatorID="YX">
                  <UniqueID Type="14" ID="3741"/>
                  <!-- code 14 = Reservation -->
                  <RoomStays>
                        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                              <RoomRates>
                                    <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup">
                                          <Rates>
```

```
                                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-12"
ExpireDate="2008-01-15">
                                                <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                                </Base>
                                        </Rate>
                                        <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
ExpireDate="2008-01-17">
                                                <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                                </Base>
                                        </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="2008-01-17" Start="2008-01-12"/>
                <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                        <GuaranteesAccepted>
                                <GuaranteeAccepted>
                                        <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                <CardHolderName>James Bond</CardHolderName>
                                        </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                        <CardHolderName>James Bond</CardHolderName>
                                                </PaymentCard>
                                        </AcceptedPayment>
                                </AcceptedPayments>
                                <AmountPercent Amount="50.00" CurrencyCode="EUR">
                                </AmountPercent>
                                <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">
```

```xml
                                        <Tax Percent="17.50" Type="Inclusive" Code="19">
                                                <!-- code 19 = VAT/GST tax-->
                                        </Tax>
                                </Taxes>
                        </Total>
                        <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC">
                        </BasicPropertyInfo>
                        <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">
```

```xml
                                                  <!--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>MI5</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 = TravelAgent-->
                                  <CompanyInfo>
                                          <CompanyName>TravelDreams</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>
```

```xml
                                        </CompanyInfo>
                                    </Profile>
                                </ProfileInfo>
                            </Profiles>
                            <ArrivalTransport>
                                <TransportInfo Time="2008-01-12T14:00:00" Type="Air" ID="BA125"/>
                            </ArrivalTransport>
                            <DepartureTransport>
                                <TransportInfo Time="2008-01-17T19:00:00" 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>
```

Simple Reservation Request (Two Part Booking Request)

```xml
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRQ.xsd" Version="1.003" EchoToken="879791878" ResStatus="Initiate"
TimeStamp=" 2005-10-09T18:51:45">
        <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="2008-10-09T08:51:45" CreatorID="YX">
                <UniqueID Type="14" ID="3741"/>
                <!-- code 14 = Reservation -->
                <RoomStays>
                    <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                        <RoomRates>
                            <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup">
                                <Rates>
                                    <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-12"
ExpireDate="2008-01-15">
                                        <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                        </Base>
                                    </Rate>
```

```xml
                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
ExpireDate="2008-01-17">
                                                    <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                                    </Base>
                                                </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="2008-01-17" Start="2008-01-12"/>
                                    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                                        <GuaranteesAccepted>
                                            <GuaranteeAccepted>
                                                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                    <CardHolderName>James Bond</CardHolderName>
                                                </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                        <CardHolderName>James Bond</CardHolderName>
                                                    </PaymentCard>
                                                </AcceptedPayment>
                                            </AcceptedPayments>
                                            <AmountPercent Amount="50.00" CurrencyCode="EUR">
                                            </AmountPercent>
                                            <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>
```

```xml
                    <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC">
                    </BasicPropertyInfo>
                    <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>
```

```xml
                                                        <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>MI5</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 = TravelAgent-->
                                        <CompanyInfo>
                                                <CompanyName>TravelDreams</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="2008-01-12T14:00:00" Type="Air" ID="BA125"/>
                        </ArrivalTransport>
                        <DepartureTransport>
                                <TransportInfo Time="2008-01-17T19:00:00" 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>
```

26.2.4   Book Reservation Response

The book reservation response is made using the OTA_HotelResRS message. The response message should return the details on the reservation.

Usage Profile Table

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 In the case of an error message, the result would be "Unsuccessful."
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).

Element | @Attribute	Num	Description/Contents
@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.
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 web site 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 it could be 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_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 which the rate being booked belongs to.
@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 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 that the rate amount is based upon (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 used 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.

Element | @Attribute	Num	Description/Contents
OTA_HotelResRS / 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_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 /	1	

Element | @Attribute	Num	Description/Contents
GuaranteeAccepted / PaymentCard		
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is expiry date of the credit card used as guarantee
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 / 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
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay /	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

Element | @Attribute	Num	Description/Contents
DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard		
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	This is expiry date of the credit card used for deposit/prepayment
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
@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

Element | @Attribute	Num	Description/Contents
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 used 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_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 used 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"

Element | @Attribute	Num	Description/Contents
@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 used 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
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation
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 programme to which the account ID belongs to
@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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResRS / HotelReservations /		Comments

Element | @Attribute	Num	Description/Contents
HotelReservation / RoomStays / RoomStay / Comments / Comment / Text		
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /	0..n	
@RequestCode	1	Indicates the special requests associated to 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 implementing partners based on the functionality of the systems involved.
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 / 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 sigle ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accomodate 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
@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…)

Element	@Attribute	Num	Description/Contents
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]
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information
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 name 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 name 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 name Surname

Element | @Attribute	Num	Description/Contents
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 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).
@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.

Element | @Attribute	Num	Description/Contents
@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.
@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 characters 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	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

Element | @Attribute	Num	Description/Contents
/ ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName		
@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
@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 nr
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 /	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

Element | @Attribute	Num	Description/Contents
PostalCode		
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
@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 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_HotelResRS / 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_HotelResRS / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple types to transfer: 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
@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

Element | @Attribute	Num	Description/Contents
		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 which 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 nr 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.

Example Message – Simple Reservation Response (One Step Reservation Request)

```xml
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRS.xsd" Version="1.003" EchoToken="879791878" TimeStamp=" 2005-10-
09T18:52:15" ResResponseType="Committed">
        <Success/>
        <HotelReservations>
                <HotelReservation CreateDateTime="2008-10-09T08:51:45" CreatorID="YX">
                        <UniqueID Type="14" ID="3741"/>
                        <!-- code 14 = Reservation -->
                        <RoomStays>
                                <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                                        <RoomRates>
                                                <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup">
                                                        <Rates>
                                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-12"
ExpireDate="2008-01-15">
                                                                        <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                                                        </Base>
                                                                </Rate>
                                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
ExpireDate="2008-01-17">
```

```xml
                                        <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                        </Base>
                                    </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="2008-01-17" Start="2008-01-12"/>
                        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                            <GuaranteesAccepted>
                                <GuaranteeAccepted>
                                    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">

                                        <CardHolderName>James Bond</CardHolderName>
                                    </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">

                                            <CardHolderName>James Bond</CardHolderName>
                                        </PaymentCard>
                                    </AcceptedPayment>
                                </AcceptedPayments>
                                <AmountPercent Amount="50.00" CurrencyCode="EUR">
                                </AmountPercent>
                                <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">
                        </BasicPropertyInfo>
```

```xml
                                        <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"/>
```

```xml
                                                    </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>MI5</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 = TravelAgent-->
                                            <CompanyInfo>
                                                    <CompanyName>TravelDreams</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="2008-01-12T14:00:00" Type="Air" ID="BA125"/>
                    </ArrivalTransport>
```

```xml
                                <DepartureTransport>
                                        <TransportInfo Time="2008-01-17T19:00:00" 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>
```

Example Message – Simple Reservation Response (Two Step Reservation Request)

```xml
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRS.xsd" Version="1.003" EchoToken="879791878" TimeStamp=" 2005-10-
09T18:52:15" ResResponseType="Pending">
        <Success/>
        <HotelReservations>
                <HotelReservation CreateDateTime="2008-10-09T08:51:45" CreatorID="YX">
                        <UniqueID Type="14" ID="3741"/>
                        <!-- code 14 = Reservation -->
                        <RoomStays>
                                <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                                        <RoomRates>
                                                <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup">
                                                        <Rates>
                                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-12"
ExpireDate="2008-01-15">
                                                                        <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                                                        </Base>
                                                                </Rate>
                                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
ExpireDate="2008-01-17">
                                                                        <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                                                        </Base>
                                                                </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="2008-01-17" Start="2008-01-12"/>
                                        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
```

```xml
                                            <GuaranteesAccepted>
                                                <GuaranteeAccepted>
                                                    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                        <CardHolderName>James Bond</CardHolderName>
                                                    </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">
                                                        <CardHolderName>James Bond</CardHolderName>
                                                    </PaymentCard>
                                                </AcceptedPayment>
                                            </AcceptedPayments>
                                            <AmountPercent Amount="50.00" CurrencyCode="EUR">
                                            </AmountPercent>
                                            <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">
                                    </BasicPropertyInfo>
                                    <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>
```

```xml
                                   </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>MI5</CompanyName>
                                                                   <AddressInfo>
                                                                           <AddressLine>MOD Building</AddressLine>
```

```xml
                                                        <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 = TravelAgent-->
                                        <CompanyInfo>
                                                <CompanyName>TravelDreams</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="2008-01-12T14:00:00" Type="Air" ID="BA125"/>
                </ArrivalTransport>
                <DepartureTransport>
                        <TransportInfo Time="2008-01-17T19:00:00" 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>
```

26.2.5   Change Reservation Request

The change reservation request is made using the OTA_HotelResRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@ResStatus	1	Of all the enumerations listed by OTA, the one recommended by HTNG for this message should be: "Modify"
@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 which 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 to by the trading partners and 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)

Element | @Attribute	Num	Description/Contents
		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	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_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	1	This indicates the last date and time when the reservation was modified.
@LastModifierID	1	This indicates the last user who modified the 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 , 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 web site 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_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 it could be 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_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 which the rate being booked belongs to.
@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 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 that the rate amount is based upon (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 used 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

Element | @Attribute	Num	Description/Contents
@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.
OTA_HotelResRQ / 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_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	
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.

Element | @Attribute	Num	Description/Contents
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is expiry date of the credit card used as guarantee
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 / 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

Element	@Attribute	Num	Description/Contents
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	This is expiry date of the credit card used for deposit/prepayment
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 /	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

Element | @Attribute	Num	Description/Contents
AcceptedPayments / AcceptedPayment / DirectBill		
@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 used 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 /	1	

Element | @Attribute	Num	Description/Contents
HotelReservation / RoomStays / RoomStay / BasicPropertyInfo		
@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 programme to which the account ID belongs to
@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	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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	
OTA_HotelResRQ / HotelReservations /	0..n	

Element | @Attribute	Num	Description/Contents
HotelReservation / RoomStays / RoomStay / SpecialRequests / SpecialRequest /		
@RequestCode	1	Indicates the special requests associated to 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 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 / 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 sigle 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	1	

Element | @Attribute	Num	Description/Contents
/ ResGuest / Profiles / ProfileInfo / Profile		
@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]
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information
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 name 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 name 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 name 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.

Element | @Attribute	Num	Description/Contents
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 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).
@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_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 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_HotelResRQ / HotelReservations /	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
HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / 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	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile

Element | @Attribute	Num	Description/Contents
/ ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty		
@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 nr
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 characters 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 or ZIP code
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo /	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
CountryName		
@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 /	0..1	The 3 attributes below are used to indicate the arrival details for the guests to which the booking pertains.

Element | @Attribute	Num	Description/Contents
HotelReservation / ResGuests / ResGuest / ArrivalTransport / TransportInfo		
@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 types to transfer: 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 associated by the receiving system when the reservation was first sent and acknowledged. Mandatory if the original booking was also sent via the interface
@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. If HotelReservationID is passed to transfer the receiving system's confirmation nr, The possible values are: 10 – Hotel, if the receiving system is a PMS 14 – Reservation, if the receiving system is a CRS
@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 which is associated to the one that is being transferred If HotelReservationID is passed to transfer the receiving system's confirmation nr, ResID_Value is the receiving system's confirmation number. For instance if the flow of reservation is from CRS to

Element | @Attribute	Num	Description/Contents
		PMS, HotelReservationID will transfer the PMS confirmation number
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

Example Message

```xml
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Modify"
TimeStamp=" 2005-10-09T19:30:30">
        <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="2005-10-09T08:51:45" CreatorID="FLAUA" LastModifierID="AMR" LastModifyDateTime="2005-12-
21T19:30:30">
                    <UniqueID Type="14" ID="3741"/>
                    <!-- code 14 = Reservation -->
                    <RoomStays>
                        <RoomStay MarketCode="CORP" SourceOfBusiness="TAC2" PromotionCode="FALL05">
                            <RoomRates>
                                    <RoomRate RoomTypeCode="A2K" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup">
                                            <Rates>
                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-12"
ExpireDate="2008-01-15">
                                                        <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                                                        </Base>
                                                </Rate>
                                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
ExpireDate="2008-01-17">
                                                        <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                                                        </Base>
                                                </Rate>
                                            </Rates>
                                    </RoomRate>
                            </RoomRates>
                            <GuestCounts IsPerRoom="1">
```

```xml
                                                <GuestCount AgeQualifyingCode="10" Count="2"/>
                                                <!-- code 10 = Adult-->
                                                <GuestCount AgeQualifyingCode="8" Count="1"/>
                                                <!-- code 8 = Child-->
                                        </GuestCounts>
                                        <TimeSpan End="2008-01-17" Start="2008-01-12"/>
                                        <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                                                <GuaranteesAccepted>
                                                        <GuaranteeAccepted>
                                                                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">

                                                                        <CardHolderName>James Bond</CardHolderName>
                                                                </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 CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
SeriesCode="123" CardCode="VS">

                                                                                <CardHolderName>James Bond</CardHolderName>
                                                                        </PaymentCard>
                                                                </AcceptedPayment>
                                                        </AcceptedPayments>
                                                        <AmountPercent Amount="50.00" CurrencyCode="EUR">
                                                        </AmountPercent>
                                                        <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">
                                        </BasicPropertyInfo>
                                        <TPA_Extensions/>
                                        <ResGuestRPHs>
                                                <ResGuestRPH RPH="1"/>
                                        </ResGuestRPHs>
                                        <Memberships>
                                                <Membership AccountID="12345689" ProgramCode="Miles and More"/>
                                        </Memberships>
```

```xml
                        <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"/>
```

```xml
                                        <!--code 4 = Company -->
                                        <Profile ProfileType="3">
                                                <!--code 3 = Corporation-->
                                                <CompanyInfo>
                                                        <CompanyName>MI5</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 = TravelAgent-->
                                                <CompanyInfo>
                                                        <CompanyName>TravelDreams</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="2008-01-12T14:00:00" Type="Air" ID="BA125"/>
                        </ArrivalTransport>
                        <DepartureTransport>
                                <TransportInfo Time="2008-01-17T19:00:00" 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>
```

26.2.6   Change Reservation Response

The change reservation response is made using the OTA_HotelResRS message.

Usage Profile Table

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	Given that the OTA_HotelResRQ message is used for additions, modifications and cancellations, this attribute is used to replicate whether the original message was an addition, a modification or a cancellation and does not refer to the status of the transaction itself but rather to the nature of the original message. The only 3 enumerations allowed will therefore be: Committed, Modified and Cancelled. In this case Modified would be used.
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

Element | @Attribute	Num	Description/Contents
@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_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 which 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 nr if the reservation was originated in the PMS)
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This is the confirmation number associated by the system which received the booking.
@ResID_Type	1	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 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	ResID_Value is the actual confirmation number
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

Example Message

```xml
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRS.xsd" EchoToken="879791900" TimeStamp="2005-01-26T19:31:02-05:00"
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>
```

26.2.7   Cancel Reservation Request

The cancel reservation request is made using the OTA_HotelResRQ message.

Usage Profile Table

Element | @Attribute	Num	Description/Contents
OTA_HotelResRQ	1	Root element of the message.
@EchoToken	0..1	As per OpenTravel Alliance Specifications.
@ResStatus	1	Of all the enumerations listed by OTA, the one recommended by HTNG for this message should be: "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 which 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 to by the trading partners and remain the same throughout the messages
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	1	This indicates the last date and time when the reservation was modified.
@LastModifierID	1	This indicates the last user who modified the 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 , if the system is a CRS, the CRS confirmation number.

Element | @Attribute	Num	Description/Contents
		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 web site 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_HotelResRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This can be used to transfer: 1 .the confirmation number associated by the system which received the booking. (Mandatory) 2. This would also be used to pass the cancellation number of the reservation being cancelled IF the generating system assigns a different cancellation number to the original Unique ID (Optionally). If it does not, the same info passed in Unique ID would be repeated here (Optionally)
@ResID_Type	1	For the transfer of the confirmation nr associated to the booking by the receiving system, Type is assigned values from the UIT code list and possible values are: If it is a PMS: ResID_Type = 10 - Hotel If it is a CRS: ResID_Type = 14 – Reservation For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list. For the transfer of the cancellation nr associated to the booking by the originating system, Type is assigned values from the UIT code list and possible values are: 15 – [Cancellation],
@ResID_Value	1	ResID_Value is the actual confirmation number (if type is 10 or 14) ResID_Value would be the cancellation number from the originating system (if type is 15)
@ResID_Source	0..1	ResID_Source would be used ONLY if transferring a cancellation nr and would transfer the name of the system that generated the cancellation number (i.e. the CRS or the PMS)
@ResID_Date	0..1	ResID_Date would be optionally used when transferring a cancellation nr and it would indicate the date when the cancellation took place
@ForGuest	0..1	When 1 the confirmation number given to the guest. This number should be searchable by the destination.

Example Message

```xml
<OTA_HotelResRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRQ.xsd" Version="1.003" EchoToken="879791950" ResStatus="Cancel"
TimeStamp=" 2005-10-09T20:51:45">
        <POS>
                <Source>
                        <RequestorID Type="22" ID="TrustCRS" />
                        <!-- code 22 = Electronic reservation service provider -->
                </Source>
        </POS>
        <HotelReservations>
                <HotelReservation CreateDateTime="2005-10-09T08:51:45" CreatorID="FLAUA" LastModifierID="AMR"
        ="2005-12-21T20:51:45">
                        <UniqueID Type="14" ID="3741"></UniqueID>
                        <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>
```

26.2.8   Cancel Reservation Response

The cancel reservation response is made using the OTA_HotelResRS message.

Usage Profile Table

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	Given that the OTA_HotelResRQ message is used for both additions, modifications and cancellations, this attribute is used to replicate whether the original message was an additiona, a modification or a cancellation and does not refer to the status of the transaction itself but rather to the nature of the original message. The only 3 enumerations allowed will therefore be: Committed, Modified and Cancelled. In this case Cancelled would be used.
OTA_HotelResRS / Errors / Error	1..99	Mandatory ONLY if Success element is not sent. Only needed if RQ message was unsuccessful.

Element | @Attribute	Num	Description/Contents
@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.
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 which 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 nr if the reservation was originated in the PMS)
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This can be used to transfer: 1. the confirmation number associated by the system which received the booking (Mandatory). 2. the cancellation number of the reservation being cancelled IF the generating system assigns a different cancellation number to the original Unique ID. (Optionally) If it does not, the same info passed in Unique ID would be repeated here (Optionally) 3. the cancellation nr of the receiving system IF the receiving system assigns a different cancellation number to the original confirmation (Optionally)
@ResID_Type	1	For the transfer of the confirmation nr associated to the booking by the receiving system, Type is assigned values from the UIT code list and possible values are: If it is a PMS: ResID_Type = 10 - Hotel If it is a CRS:

Element | @Attribute	Num	Description/Contents
		ResID_Type = 14 – Reservation For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list. For the transfer of the cancellation nr associated to the booking by the originating system and/or by the receiving system, Type is assigned values from the UIT code list and possible values are: 15 – [Cancellation],
@ResID_Value	1	ResID_Value is the actual confirmation number (if type is 10 or 14) ResID_Value would be the cancellation number from the originating system (if type is 15)
@ResID_Source	0..1	ResID_Source would be used ONLY if transferring a cancellation nr and would transfer the name of the system that generated the cancellation number (i.e. the CRS or the PMS)
@ResID_Date	0..1	ResID_Date would be optionally used when transferring a cancellation nr and it would indicate the date when the cancellation took place

Example Message

```xml
<OTA_HotelResRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResRS.xsd" EchoToken="879791950" TimeStamp="2005-01-26T20:52:02-05:00"
Version="1.003" ResResponseType="Cancelled">
        <Success/>
        <HotelReservations>
                <HotelReservation>
                        <UniqueID Type="14" ID="3741"></UniqueID>
                        <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 >
```

26.3   Reservation Retrieval

The basic reservation retrieval usage profile covers the basic use case in which one system queries another system for a particular reservation by passing the confirmation number and verification information.

26.3.1 Scope

This usage profile includes a simple reservation read request and response from the holding system.

26.3.2 Reservation Retrieval Request

The reservation retrieval request will make use of the OTA_ReadRQ message.

Usage Profile Table

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
@TimeStamp	1	time of the transaction
OTA_ReadRQ / POS / Source / RequestorID	1	This identifies the system which 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 to 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)

Element	@Attribute	Num	Description/Contents
	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

OTA_ResRetrieveRS

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 which 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 which meet the search criteria.
OTA_ResRetrieveRS / ReservationsList / HotelReservation / POS / Source / RequestorID	1	This identifies the system which is sending the reservation.

Element | @Attribute	Num	Description/Contents
@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 to 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
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 web site originating the booking or the central reservation office of the hotel or the property itself.

Element	@Attribute	Num	Description/Contents
@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 it could be a referring property
@PromotionCode	0..1	This is the promotion code indicating for instance a specific marketing campaign (not the rate code).
@RatePlanCategory	0..1	This is the category or segment which the rate being booked belongs to.
@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 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 that the rate amount is based upon (e.g., rate for one day in

Element | @Attribute	Num	Description/Contents
		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 used 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_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.
OTA_ResRetrieveRS / ReservationsList /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

Element | @Attribute	Num	Description/Contents
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.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard	1	
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardNumber	0..1	Mandatory if credit card guarantee info is passed. This is actual number of the credit card used as guarantee.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	Mandatory if credit card guarantee info is passed. This is expiry date of the credit card used as guarantee
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

Element | @Attribute	Num	Description/Contents
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.
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
@CardType	0..1	Optional field. However if it is used, all of the sub-elements and attributes listed below will also need to be sent. This is the code of the card used as guarantee for the booking. CardType uses an OpenTravel Alliance list. The only item of the CDT list to be used is nr 1 – Credit to indicate we are passing a credit card.
@CardCode	0..1	The Card code is the 2 letter code indicative of the card (VS, MC, AX etc..)
@CardNumber	0..1	This is actual number of the credit card used for deposit/prepayment.
@SeriesCode	0..1	The SeriesCode attribute is used (optionally) for the security number of the card.
@ExpireDate	0..1	This is expiry date of the credit card used for deposit/prepayment

Element | @Attribute	Num	Description/Contents
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

Element	@Attribute	Num	Description/Contents
@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
@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 used 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

Element	@Attribute	Num	Description/Contents
@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
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 programme to which the account ID belongs to
@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 which is guest viewable and one that isn't. The Attribute is of Boolean nature.

Element | @Attribute	Num	Description/Contents
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 to 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 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 / 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 sigle ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accomodate 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

Element | @Attribute	Num	Description/Contents
		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_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]
OTA_ ResRetrieveRS / ReservationsList / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@Birthdate	0..1	The customer's birthday information
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 name First name

Element | @Attribute	Num	Description/Contents
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 name 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 name 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).
@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.

Element | @Attribute	Num	Description/Contents
		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.
@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 /	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

Element | @Attribute	Num	Description/Contents
ProfileInfo / Profile / Customer / Address / StateProv		
@StateCode	0..1	State expressed in the Standard 2-8 characters 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
@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 nr
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	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

Element | @Attribute	Num	Description/Contents
/HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv		
@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
@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.

Element | @Attribute	Num	Description/Contents
		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_Extentions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes for instance)
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.

Element | @Attribute	Num	Description/Contents
@ID	0..1	ID is the actual identifier of this transportation method (e.g., flight number).

26.4   FAQ

26.4.1   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.

26.4.2   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.

26.4.3   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.

Part 8   Appendices

Appendix A Error Handling

Use of Error Codes

Mandatory Error Codes

Each receiving system must be able to accept the following mandatory error codes from the OpenTravel Alliance Code table.

It is agreed that whilst the system receiving the error must be able to process all of the errors listed below, the sending system may not need to use all of them (if, for instance, they do not apply to the functions performed by the system). The implementing partners can agree on a subset of the errors below if applicable upon implementation.

Error Codes – General

15	Invalid date	TimeStamp - from any message
187	System currently unavailable	
320	Invalid value	Invalid value in a field for which there is no individual error
321	Required field missing	
400	Invalid property code	Hotel code
448	System error	
450	Unable to process	

Error Codes – Reservation

87	Booking reference invalid	HotelReservations / HotelReservation / UniqueID / Type & ID
245	Invalid confirmation number	HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID / ResId_Type & ResId_Value
381	Invalid check-in date	OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan / Start
382	Invalid check-out date	OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan / End
402	Invalid room type	OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate / RoomTypeCode
436	Rate does not exist	HotelReservations / HotelReservation / RoomStays / RoomStay / RoomRates / RoomRate / RatePlanCode
264	Reservation cannot be cancelled	A cancellation cannot be processed

Warning Codes – Reservation

436	Rate does not exist	
264	Reservation cannot be cancelled	Reservation already cancelled

Error Codes – Rates

249	Invalid rate code	RatePlans / RatePlan / RatePlanCode
402	Invalid room type	RatePlans / RatePlan / Rates / Rate / InvTypeCode
135	End date is invalid	RatePlans / RatePlan / End (or RatePlans / RatePlan / Rates / Rate / End)
136	Start date is invalid	RatePlans / RatePlan / Start (or RatePlans / RatePlan / Rates / Rate / Start)

Error Codes – Availability

356	Invalid action/status code	AvailStatusMessages / AvailStatusMessage / RestrictionStatus
402	Invalid room type	OTA_HotelAvailNotifRQ / AvailStatusMessages / AvailStatusMessage / StatusApplicationControl/InvTypeCode
135	End date is invalid	AvailStatusMessages / AvailStatusMessage / StatusApplicationControl / End
136	Start date is invalid	AvailStatusMessages / AvailStatusMessage / StatusApplicationControl / Start

OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/StatusApplicationControl/InvTypeCode

MCC	Message Content Codes
1	Room type availability
2	Rate availability
3	Room/rate availability
4	Sement availability
5	Sement/room availability
6	House availability
7	Hurdle rate availability
8	Rate update
9	Group rate update
10	Package rate update

EWT	Error Warning Type
1	Unknown
2	No implementation
3	Biz rule
4	Authentication
5	Authentication timeout
6	Authorization
7	Protocol violation
8	Transaction model
9	Authentical model

Optional Error Codes

Trading Partners may agree to use any of the additional OpenTravel Alliance codes at their option:

Errors	Code Value	Code Name
	15	Invalid date
	61	Invalid currency code
	69	Minimum stay criteria not fulfilled
	181	Invalid country code
	243	Invalid ARC/IATA number
	245	Invalid confirmation number
	290	Invalid state/province/territory code
	291	Invalid zip/postal code
	322	No availability
	323	All not valid
	342	Cancel fee may apply
	343	Can't sell, file maintenance is active
	344	Can't sell, record maintenance is active
	345	Can't sell, inventory reconcile is active
	346	Closed to arrivals
	347	Company address required
	348	Company or travel agent address required
	349	Contact housing office

Errors	Code Value	Code Name
	350	Credit card deposits only
	351	Credit card guarantee not accepted at hotel
	352	Invalid credit card type
	353	Departure date is past dated
	354	Deposit forfeiture and/or refund may apply
	355	Deposit/guarantee due immediately
	356	Invalid action/status code
	357	Invalid city
	358	Error convention/group code
	359	Error convention/group name
	360	Error entry code
	361	Invalid hotel
	362	Invalid number of nights
	363	Invalid number of rooms
	364	Error rate range
	365	Error credit card
	366	Error during processing, please retry
	367	Invalid format
	368	Error no active accommodation
	369	Frequency (SMTWTFS) specified does not match date
	370	Frequent guest points cannot be redeemed at this time
	371	Full payment or deposit required
	372	Guarantee code not accepted at this hotel
	373	Guarantee required immediately
	374	Guaranteed room type is not offered by this brand
	375	Hotel not active
	376	Hotel full check alternated
	377	Invalid - max number of nights exceeded
	378	Invalid - max number of rooms exceeded
	379	Invalid - only one name allowed
	380	Invalid arrival date for group
	381	Invalid check-in date

Errors	Code Value	Code Name
	382	Invalid check-out date
	383	Invalid city code
	384	Invalid client file for product type
	385	Invalid confirmation or cancellation number
	386	Invalid fax number
	387	Invalid guarantee option
	388	Invalid guaranteed room type
	389	Invalid guarantee type
	390	Invalid hold type
	391	Invalid hold until time
	392	Invalid hotel code
	393	Invalid hotel location type
	394	Invalid item
	395	Invalid message text
	396	Invalid name
	397	Invalid number of adults
	398	Invalid number specified
	399	Invalid product type code
	400	Invalid property code
	401	Invalid rate requested field
	402	Invalid room type
	403	Invalid segment type
	404	Invalid start/end date combination
	405	Invalid vendor
	406	Invalid for convention/group
	407	Item too long
	408	Last page of data already displayed
	409	Maximum length of stay restriction
	410	Minimum length of stay error
	411	Minimum length of stay restriction
	412	Modification completed
	413	Modify

Errors	Code Value	Code Name
	414	More days were specified than exist in inventory
	415	Multiple hotels in same GNR not allowed
	416	Multi-room/name combination invalid
	417	Name change not allowed
	418	Name/address missing
	419	Need names
	420	Need e-mail address
	421	No rooms available for waitlist
	422	No active accommodation found
	423	No alternates defined for requested location
	424	No hotels found which match this input
	425	No match found
	426	No rates offered for this sell request
	427	No rooms available for requested dates
	428	No tax information available
	429	Number nights deposit exceeds stay
	430	Ok
	431	Out date past end date
	432	Payment or deposit required, no non-guaranteed holds
	433	Please book on a separate reservation
	434	Product requested not in city requested
	435	Property name required
	436	Rate does not exist
	437	Rate unavailable
	438	Requested rate not available
	439	Reenter
	440	Request completed
	441	Requested rate not available for entire stay
	442	Requested rate not available for waitlist
	443	Requested rate not offered at this location
	444	Restrictions - limit 1 room
	445	Seasonal rate change error

Errors	Code Value	Code Name
	446	Service request not allowed
	447	Unable to update - simultaneous updates
	448	System error
	449	Unable to add IATA nbr to existing reservation
	450	Unable to process
	451	Unable to retrieve client file
	452	Use advance purchase arrival guarantee
	453	Voucher number required
	454	Wholesaler client file required
	455	Wholesaler rate requires wholesaler client file
	456	Work block is corrupted - cannot proceed
	457	Need arrival information
	458	Date outside inventory period
	459	Invalid request code
	503	Invalid form of deposit
	504	Extra bed or crib not available
	505	Invalid bed type
	506	Credit card not accepted at property
	507	Room type on request

Use-Cases

```xml
<!--
        Scenario 1:

        a. CRS sends reservation to PMS which contains an incorrect room type
        b. PMS rejects reservation due to incorrect room type and returns back an error node

        Message a: PMS rejects reservation due to incorrect room type and returns back an error node
-->
```

```xml
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRQ.xsd" Version="1.003" EchoToken="879791900" ResStatus="Commit"
TimeStamp=" 2005-10-09T19:30:30">
    <POS>
        <Source>
            <RequestorID Type="22" ID="SynXis"/>
            <!-- code 22 = Electronic reservation service provider -->
            <BookingChannel Primary="1" Type="5">
                <!-- code 5 = Central Reservation system -->
```

```xml
                <CompanyName Code="UA">SynXis CRS</CompanyName>
            </BookingChannel>
        </Source>
    </POS>
    <HotelReservations>
        <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-12-
09T08:51:45" ResStatus="Book">
            <UniqueID Type="14" ID="10107SY3741"/>
            <!-- code 14 = Reservation -->
            <RoomStays>
                <RoomStay>
                    <RoomRates>
                        <RoomRate RoomTypeCode="KST" RatePlanCode="RAC" NumberOfUnits="1">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-15">
                                    <Base AmountAfterTax="100.00" CurrencyCode="USD"/>
                                </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="2008-11-15" Start="2008-11-12"/>
                    <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
                        <GuaranteesAccepted>
                            <GuaranteeAccepted>
                                <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0610" SeriesCode="123"
CardCode="VS">
                                    <CardHolderName>James Bond</CardHolderName>
                                </PaymentCard>
                            </GuaranteeAccepted>
                        </GuaranteesAccepted>
                        <GuaranteeDescription>
                            <Text>Guarantee by cc</Text>
                        </GuaranteeDescription>
                    </Guarantee>
                    <Total AmountAfterTax="300.00" CurrencyCode="USD"/>
                    <BasicPropertyInfo HotelCode="10107" ChainCode="6835"/>
                    <ResGuestRPHs>
                        <ResGuestRPH RPH="1"/>
                    </ResGuestRPHs>
                </RoomStay>
            </RoomStays>
            <ResGuests>
                <ResGuest ResGuestRPH="1" PrimaryIndicator="1">
                    <Profiles>
                        <ProfileInfo>
                            <UniqueID Type="1" ID="12345" ID_Context="HotelLoyaltyProgram"/>
                            <!-- code 1 = Customer-->
                            <Profile ProfileType="1">
```

```xml
                                                    <!--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>
                                        </Profiles>
                                    </ResGuest>
                                </ResGuests>
                                <ResGlobalInfo>
                                    <HotelReservationIDs>
                                        <HotelReservationID ResID_Type="14" ResID_Value="10107SY3741" ForGuest="1"/>
                                        <!--code 14 = reservation-->
                                    </HotelReservationIDs>
                                </ResGlobalInfo>
                            </HotelReservation>
                        </HotelReservations>
</OTA_HotelResNotifRQ>
```

```xml
<!--
        Message b. PMS rejects reservation due to incorrect room type and returns back an error node
-->
```

```xml
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelResNotifRS.xsd" Version="1.003" EchoToken="879791900"  TimeStamp=" 2005-
10-09T19:32:30" ResResponseType="Commit">
    <Errors>
        <Error Type="3" Code="402" />
    </Errors>
        <HotelReservations>
```

```xml
        <HotelReservations>
          <HotelReservation CreateDateTime="2007-12-09T08:51:45" CreatorID="Syn" LastModifierID="Syn" LastModifyDateTime="2007-03-
29T09:51:45">
            <UniqueID Type="14" ID="10107SY3741"/>
            <!-- code 14 = Reservation -->
          </HotelReservations>
        </HotelReservations>
</OTA_HotelResNotifRS>
```