



Product Distribution Specifications

21 October 2013

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. HTNG is recognized as the leading voice of the global hotel community, articulating the technology requirements of hotel companies of all sizes to the vendor community. HTNG 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.

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Document History

Functional Change Log

Release	Comments
February 2007	Initial Release – Reservation, Availability and Rates.
April 2008	Added Statistics, Groups; updated Reservations, Availability.
April 2009	Updated Reservation, Availability and Rates.
September 2009	Updated Reservation, Availability, Rates and Groups.
April 2010	Added Inventory and Seamless Shop/Book; updated Reservation and Rates.
October 2010	Updated Reservations, Groups and Seamless Shop/Book.
October 2011	Updated Rates, Reservations and Seamless Shop/Book. Added age bucket handling, meal plan code and billing profile; updated UnitMultiplier usage and multi-unit reservation.
April 2012	Updated Rates (allowed CurrencyCode and YieldableIndicator attributes at RatePlan level); updated Availability (added AvailStatusMessage and updated ArrivalDateBased attributes); updated Reservations (minor edit).
October 2012	Updated Seamless Shop/Book spec to allow for dynamic packaging Updated Reservations spec to allow only one instance of RoomStay; updated RatePlan description; updated RoomRate description; Updated CompanyName Updated Rates spec - Min and Max LOS restrictions are no longer mandatory
April 2013	Removed Availability specification from this collection of specs; Availability specification is now available here Updated Reservations spec to include @Age, @ShareAllOptOutInd and @ShareAllMarketInd Updated Seamless Shop/Book spec to include @Age, @ShareAllOptOutInd and @ShareAllMarketInd
October 2013	Removed Groups, Inventory (incorporated into Availability spec) and Rates from this collection of specifications; these specs are now available here: <ul style="list-style-type: none">• Groups 2.0• Availability 4.0 (now includes Inventory)• Rates 2.0 Moved the Error Handling appendix to its own document Updated Reservations Updated Seamless Shop/Book

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Introduction

These Product Distribution specifications are presented as a single multi-part document, with each part comprising a different specification:

1. Reservations, Version 2.9
2. Statistics, Version 2.0
3. Seamless Shop/Book, Version 2.2

The following Product Distribution specifications have been broken out from this document and are now standalone documents:

- [Availability, Version 4.0](#) (which now includes Inventory)
- [Groups, Version 2.0](#)
- [Rates, Version 2.0](#)

The Error Handling Appendix has also been broken out of this document, and is available [here](#).

Part 1 Reservations, Version 2.9

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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 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.

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

```
<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">
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
        </RoomStay>
      </RoomStays>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
        </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/>
```



```
<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 VIP_Indicator="false">
            <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>
      </Profiles>
    </ResGuest>
  </ResGuests>
</ResGuests>
```

```
</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">
```

```
        <!--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.

```
<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 Assumptions

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>
  </RoomStay>
</RoomStays>
```

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>
  </RoomStay>
</RoomStays>
```

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>
  </RoomStay>
</RoomStays>
```

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>
  </RoomStay>
</RoomStays>
```

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>
  </RoomStay>
</RoomStays>
```

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	<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> • Reserved • Waitlisted <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> • 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	<p>Type is assigned codes from the UIT (Unique ID Type) code list.</p> <p>If the originator is a CRS, the recommended value for this message is 14 – Reservation.</p> <p>If the originator is a PMS, the recommended value for this message would be 10 – Hotel.</p>
@ID	1	ID is the actual confirmation number.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay	1	Only one instance of RoomStay is allowed,
@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	The RatePlan 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 more than one Rate plan can be booked in one reservation the entire RoomRate element must be repeated for each Room/rate combination. In addition, all RoomRate elements MUST share the same RoomTypeCode.
@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.
@Age	0..1	Defines the age of a guest.
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"

Element @Attribute	Num	Description/Contents
@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.
@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 <i>versus</i> 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 / BillingInstructionCode / Start	0..1	The starting value of the time span.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / End	0..1	The ending value of the time span.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / AccountNumber	0..1	Identifies the account number where the charges will be routed.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / BillingInstructionCode / 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 single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accommodate 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].
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's birthday information
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.

Element @Attribute	Num	Description/Contents
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).
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone <i>versus</i> 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 <i>versus</i> 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.

Element @Attribute	Num	Description/Contents
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 <i>versus</i> business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed.
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.

Element @Attribute	Num	Description/Contents
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.
@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 / RelatedTraveler / PersonName / 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.

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / RelatedTraveler / PersonName / 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.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / RelatedTraveler / PersonName / 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 / RelatedTraveler / PersonName / 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 / CompanyName	0..1	Detailed name information for the company.
@Code	0..1	Identifies a company by the company code.
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.

Element @Attribute	Num	Description/Contents
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.
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 <i>versus</i> 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.

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 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.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / TPA_Extensions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes, for instance).
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.

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	0..n	The HotelReservationID element can be repeated multiple types to transfer: <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room, or as part of an Itinerary
@ResID_Type	1	ResID_Type is assigned values from the UIT code list. <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@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.

Element @Attribute	Num	Description/Contents
@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.
@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.

Element @Attribute	Num	Description/Contents
@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.
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.
@Age	0..1	Defines the age of a 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.
@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		<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> • Reserved • Waitlisted <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> • 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	<p>Type is assigned values from the UIT code list.</p> <p>If the original system was a CRS:</p> <p>Type = 14 - Reservation ID is the actual confirmation number</p> <p>If it was a PMS:</p> <p>Type = 10 - Hotel</p>
@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	<p>ResID_Type is assigned values from the UIT code list.</p> <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@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	<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> Reserved Waitlisted <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> Reserved Waitlisted No-show In-house Checked-Out
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / UniqueID	1	<p>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.</p> <p>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.</p>
@Type	1	<p>Type is assigned codes from the UIT (Unique ID Type) code list.</p> <p>If the originator is a CRS the recommended value for this message is 14 – Reservation.</p> <p>If the originator is a PMS the recommended value for this message would be 10 – Hotel.</p>
@ID	1	ID is the actual confirmation number.

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay	1	Only one instance of RoomStay is allowed.
@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 more than one Rate plan can be booked in one reservation the entire RoomRate element must be repeated for each Room / rate combination. In addition, all RoomRate elements MUST share the same RoomTypeCode.
@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 / RoomStays / RoomStay / 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 / RoomStays / RoomStay / 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.
@Age	0..1	Defines the age of a guest.
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 <i>versus</i> 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].
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.
OTA_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

Element @Attribute	Num	Description/Contents
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's birthday information
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 <i>versus</i> fax). The two codes to be used by HTNG are: Code 1 –Voice Code 3 –Fax. Code 5 - Mobile
@PhoneNumber	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.
@AreaCityCode	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 <i>versus</i> 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 <i>versus</i> 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 <i>versus</i> fax). The codes to be used by HTNG are: 1 -Voice 3 -Fax 5 - Mobile
@PhoneNumber	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.
@AreaCityCode	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_Extensions	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	<p>The HotelReservationID element can be repeated multiple times to transfer:</p> <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room, or as part of an Itinerary 3. The confirmation number 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 <p>A HotelReservationID node containing the information found in the UniqueID element is required.</p>

Element @Attribute	Num	Description/Contents
@ResID_Type	1	<p>ResID_Type is assigned values from the UIT code list.</p> <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@ResID_Value	1	<p>If HotelReservationID is passed to transfer the PNR, ResID_Value is the PNR passed by the GDS.</p> <p>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.</p> <p>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.</p>
@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

```
<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 -->

```

```
<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>
          <RoomRate>
            <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">

```

```
        <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>
                        </PersonName>
                    </Customer>
                </Profile>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</ResGuests>
```

```
<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>
```

```

        <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	0..1	Mandatory ONLY if the Success element is not sent. Only needed if the RQ message was unsuccessful.
OTA_HotelResNotifRS / Errors / Error	1..99	
@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	0..1	Can be used in conjunction with Success message.
OTA_HotelResNotifRS / Warnings / Warning	1..99	
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelResNotifRS / HotelReservations / HotelReservation		

Element @Attribute	Num	Description/Contents
@ResStatus	1	<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> Reserved Waitlisted <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> 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	<p>Type is assigned values from the UIT code list.</p> <p>If the original system was a CRS:</p> <p>Type = 14 – Reservation ID is the actual confirmation number</p> <p>If it was a PMS:</p> <p>Type = 10 - Hotel</p>
@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	<p>ResID_Type is assigned values from the UIT code list.</p> <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@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	<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> Cancelled <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> Cancelled No-Show
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / UniqueID	1	<p>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.</p> <p>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.</p>
@Type	1	<p>Type is assigned codes from the UIT (Unique ID Type) code list.</p> <p>If the originator is a CRS the recommended value for this message is 14 – Reservation.</p> <p>If the originator is a PMS the recommended value for this message would be 10 – Hotel.</p>
@ID	1	ID is the actual confirmation number.
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.

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / HotelReservationIDs / HotelReservationID	1..n	This can be used to transfer: <ol style="list-style-type: none"> 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	ResID_Type is assigned values from the UIT code list. <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@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	

Element @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / ResGlobalInfo / Comments / Comment	1..n	
@Name	0..1	Allows types of Comments to be differentiated
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

Element @Attribute	Num	Description/Contents
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

```
<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"/>
      <RoomStays>
        <RoomStay>
          <BasicPropertyInfo HotelCode="HXCAIZZ" ChainCode="HX" BrandCode="TC"/>
        </RoomStay>
      </RoomStays>
      <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.

Element @Attribute	Num	Description/Contents
@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	0..1	Mandatory ONLY if Success element is not sent. Only needed if RQ message was unsuccessful.
OTA_HotelResNotifRS / Errors / Error	1..99	
@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	0..1	Can be used in conjunction with Success message.
OTA_HotelResNotifRS / Warnings / Warning	1..99	
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelResNotifRS / HotelReservations / HotelReservation		

Element @Attribute	Num	Description/Contents
@ResStatus	1	<p>Indicates the current status of the reservation.</p> <p>Valid values are dependant on the roles:</p> <p>Reservation Broker → Reservation Server</p> <ul style="list-style-type: none"> Cancelled <p>Reservation Server → Reservation Broker</p> <ul style="list-style-type: none"> 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	<p>Type is assigned values from the UIT code list.</p> <p>If the original system was a CRS:</p> <p>Type = 14 - Reservation ID is the actual confirmation number</p> <p>If it was a PMS:</p> <p>Type = 10 - Hotel</p>
@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	<p>This can be used to transfer:</p> <ol style="list-style-type: none"> The confirmation number associated by the system which received the booking (Mandatory) 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) The cancellation number of the receiving system IF the receiving system assigns a different cancellation number to the original confirmation (Optionally)

Element @Attribute	Num	Description/Contents
@ResID_Type	1	<p>ResID_Type is assigned values from the UIT code list.</p> <p>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</p> <p>For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.</p>
@ResID_Value	1	<p>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).</p>
@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>
```

```
</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.
@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): <ul style="list-style-type: none"> 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.

Element @Attribute	Num	Description/Contents
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.
@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.

Element @Attribute	Num	Description/Contents
@OriginalDeliveryMethod	0..1	<div>A coded value which specifies the original delivery method of the reservations to be retrieved. Values are:</div> <div><div>1</div><div>Fax</div></div> <div><div>2</div><div>E-mail</div></div> <div><div>3</div><div>Mail</div></div> <div><div>4</div><div>Courier</div></div> <div><div>5</div><div>Airport collection</div></div> <div><div>6</div><div>City office</div></div> <div><div>7</div><div>Hotel desk</div></div> <div><div>8</div><div>Will call</div></div> <div><div>9</div><div>Express mail</div></div> <div><div>10</div><div>Telephone</div></div> <div><div>11</div><div>XML</div></div> <div><div>12</div><div>FTP</div></div> <div><div>13</div><div>Website</div></div> <div><div>14</div><div>HTTP</div></div> <div><div>15</div><div>Non-XML</div></div> <div><div>16</div><div>Any</div></div>

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.
OTA_ResRetrieveRS / EchoToken	0..1	As per OpenTravel Alliance Specifications. Usage Profile - Reservations
OTA_ResRetrieveRS / EchoToken / @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 / Errors	0..1	Mandatory ONLY if Success element is not sent. Only needed if RQ message was unsuccessful.
OTA_ResRetrieveRS / Errors / Error	1..99	
@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_ResRetrieveRS / 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_ResRetrieveRS / Warnings	0..1	Can be used in conjunction with Success message.
OTA_ResRetrieveRS / Warnings / Warning	1..99	
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible.
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_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):

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

<!--

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

-->

```
<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>
```

```
<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>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>
</ResGuests>
```

```
        </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">
```

```
<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-->
    <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>
    </RoomStay>
  </RoomStays>
</HotelReservation>
```

```
<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

<!--

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%

-->

```
<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>
```



```
<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>
```

```
<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>
            </Customer>
          </Profile>
        </ProfileInfo>
      </Profiles>
    </ResGuest>
  </ResGuests>
</HotelReservation>
```

```
<!--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

<!--

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

-->

```
<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="2008-12-01" 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>
        </Profiles>
      </ResGuest>
    </ResGuests>
  </HotelReservation>
</HotelReservations>
```

```
</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>
            </PersonName>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</HotelReservation>
</HotelReservations>
</Reservations>
```

```
        <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">

```

```
        <!--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

-->

```
<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"/>
    </Source>
  </POS>
</OTA_HotelResNotifRQ>
```

```
<!-- 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>
  </HotelReservation>
</HotelReservations>
```



```
<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>
  </ResGuests>
</HotelReservation>
```

```
</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>
</HotelReservation>
<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>
```

```
</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

-->

```
<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 -->
              </Profile>
            </ProfileInfo>
          </Profiles>
        </ResGuest>
      </ResGuests>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
<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>
```

```
<!-- 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

-->

```
<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>
                  </PersonName>
                </Customer>
              </Profile>
            </ProfileInfo>
          </Profiles>
        </ResGuest>
      </ResGuests>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
        <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>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</HotelReservation>
```



```
        <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">
```

```
<!--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

-->

```
<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>
```

```
<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

-->

```
<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>
                  </PersonName>
                </Customer>
              </Profile>
            </ProfileInfo>
          </Profiles>
        </ResGuest>
      </ResGuests>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

```
        </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>
            </PersonName>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</HotelReservation>
</Reservations>
</Reservations>
```

```
        </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>
            </PersonName>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>
</HotelReservation>
</Reservations>
</Reservations>
```

```
        </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>
```

```
        <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

-->

```
<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 -->
      </BookingChannel>
    </Source>
  </POS>
</OTA_HotelResNotifRQ>
```



```
<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>
  </HotelReservation>
</HotelReservations>
```

```
<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>
</HotelReservation>
```

```
</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 -->

```

```
<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 6: Breaking Shares

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

-->

```
<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>
```

```
</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>
    </HotelReservation>
  </HotelReservations>
  <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>
  <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>
```

```

        <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

<!--

Scenario 1: Simple Fixed Service

Posted once per 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">
        <!-- 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 -->
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>

```

```
<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"/>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>
</ResGuests>
```



```

<!-- 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">

```

```
<!-- 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>
          </ProfileInfo>
        </Profiles>
      </ResGuest>
    </ResGuests>
  </HotelReservation>
</HotelReservations>
```

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

```
<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

<!--

Scenario 1: Pull Reservation Message with Successful Response:

- System A sends an OTA_ReadRQ message to System B
- System B responds with an OTA_ResRetrieveRS message.
- System A loops through the HotelReservations node and successfully processes the HotelReservation. System A then sends an OTA_NotifReportRQ for the successful reservation received.
- System B responds with an OTA_NotifReportRS.

Message a: System A sends an OTA_ReadRQ message to System B

-->

```
<OTA_ReadRQ 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_ReadRQ>
```

<!--

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/>
  <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>
            <RoomRate RoomTypeCode="KB" RatePlanCode="RAC" NumberOfUnits="1">
```

```
15">
    <Rates>
      <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-
    <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, -->
```

```
PhoneTechType="3" PhoneLocationType="7"/>
    <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101"
    <!-- 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:

- System A sends an OTA_ReadRQ message to System B
- System B responds with an OTA_ResRetrieveRS message.
- System A loops through the HotelReservations node and is unable to process the HotelReservation due to an incorrect Room Type. System A then sends an OTA_NotifReportRQ with an error node.
- System B responds with an OTA_NotifReportRS.

Message a: System A sends an OTA_ReadRQ message to System B

```
-->
```

```
<OTA_ReadRQ 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_ReadRQ>
```

```
<!--
```

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/>
  <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>
            <RoomRate RoomTypeCode="KST" RatePlanCode="RAC" NumberOfUnits="1">
```

```
15">
    <Rates>
      <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-11-12" ExpireDate="2008-11-
    <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, -->
```



```
PhoneTechType="3" PhoneLocationType="7"/>
    <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101"
    <!-- 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 is unable to processes the HotelReservation due to an incorrect Room Type.
    System A then sends an OTA_NotifReportRQ with an error node.
-->
```

```
<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">Invalid Room Type</Error>
    </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>
```

```
<!--
```

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_NotifReportRS>
```

4.4.3 Pull Reservation Message with No New Reservations Found

<!--

Scenario 3: Pull Reservation Message with No New Reservations Found:

- System A sends an OTA_ReadRQ message to System B
- System B responds with an OTA_ResRetrieveRS message.
- No additional messages are required since there are no reservations to process.

Message a: System A sends an OTA_ReadRQ message to System B

-->

```
<OTA_ReadRQ 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_ReadRQ>
```

<!--

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>
    <Warning Type="3" Code="284">No reservations found for search criteria</Warning>
  </Warnings>
  <ReservationsList/>
</OTA_ResRetrieveRS>
```

<!--

No follow up messages are needed since there are no reservations to process.

-->

Part 2 Statistics, Version 2.0

Chapter 5 Acknowledgements

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

Andrea Campbell, Passkey

Robin Coker, Amadeus

Martin Crundall, Maxim

Lorie Grant, PAR SMS

Francesca Pasetti, Trust International

Scott Rudberg, PassKey

Kevin Smith, IDeaS

Guy Tabary, EasyRMS

Clive Taylor, EasyRMS

Chapter 6 Document Information

6.1 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.

6.2 Scope

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

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 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.

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

7.2.1 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

7.2.2 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

7.2.3 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 8 Usage Profiles

8.1 Statistics

8.1.1 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 beverage 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 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>

```

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

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 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"/>
          </StatisticCodes>
        </StatisticApplicationSet>
      </StatisticApplicationSets>
    </Statistic>
  </Statistics>
</OTA_HotelStatsNotifRQ>
```

```
</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>
```

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

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	<p>Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above.</p> <p>The following values are required:</p> <ul style="list-style-type: none"> 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. <p>The following values are Optional:</p> <ul style="list-style-type: none"> 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 than 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. <p>(*) In the case of shares with different arrivals and departures for individuals, the first arrival date and the last departure date should be used for the counts.</p>

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 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>

```

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

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	<p>Repeating element for each count value in the report. All values correspond to the totals for the date in the @Start attribute defined above.</p> <p>The following values are required:</p> <ul style="list-style-type: none"> 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. <p>The following values are Optional:</p> <ul style="list-style-type: none"> 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 than 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. <p>(*) In the case of shares with different arrivals and departures for individuals, the first arrival date and the last departure date should be used for the counts.</p>
@CountCategoryCode	1	<p>Code value from OpenTravel Alliance Code List Count Category Code (CNT). The following values are to be used:</p> <ul style="list-style-type: none"> 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 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>
            <RevenueCategorySummary RevenueCategoryCode="17" Amount="3825.00"/>
          </RevenueCategorySummaries>
          <CountCategorySummaries>
            <CountCategorySummary SummaryCount="19" CountCategoryCode="11"/>
            <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">
          <StatisticCodes>
            <StatisticCode StatCode="C30" StatCategoryCode="2"/>
            <StatisticCode StatCode="STD" StatCategoryCode="3"/>
          </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"/>
<CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
<CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
</CountCategorySummaries>
</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>
  <CountCategorySummaries>
    <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">
  <StatisticCodes>
    <StatisticCode StatCode="C20" StatCategoryCode="2"/>
    <StatisticCode StatCode="DLX" StatCategoryCode="3"/>
  </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"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
  </CountCategorySummaries>
</StatisticApplicationSet>
<StatisticApplicationSet Start="2006-06-19">
  <StatisticCodes>
    <StatisticCode StatCode="C30" StatCategoryCode="2"/>
    <StatisticCode StatCode="DLX" StatCategoryCode="3"/>
  </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"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="14"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="15"/>
  </CountCategorySummaries>
</StatisticApplicationSet>
```

```
</StatisticApplicationSet>  
  </Statistic>  
</Statistics>  
</OTA_HotelStatsNotifRQ>
```


Chapter 9 Implementation Requirements

9.1 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

9.2 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

9.3 External Requirements

9.3.1 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 3 Seamless Shop/Book, Version 2.2

Chapter 10 Acknowledgements

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Andrea Campbell	Passkey
Scott Rudberg	Passkey
Eileen Lynch	SoftBrands
Sharron Bragg	Trust International
Tasha McKenzie	PAR Springer-Miller Systems

Chapter 11 Document Information

11.1 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.

11.2 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.

The intent of the Seamless Shop/Book specification is to allow a system to shop for available rates and packages and book reservations.

11.3 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.

11.4 Referenced Documents

The following documents are referenced in this document:

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

11.5 Terminology

Error! Reference source not found. defines terms and acronyms used throughout this document.

Table 2: Terminology

Term	Definition
HTNG	Hotel Technology – Next Generation

Term	Definition
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.

11.6 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 12 Usage Profiles

12.1 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.

12.1.1 Simple Reservation Handling

Scope

This usage profile includes a simple availability request and response from the holding system.

Check Availability Request

The availability request will make use of the OTA_HotelAvailRQ message.

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"

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRQ / POS / Source / RequestorID	1	This identifies the system which is making the availability request.
@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”
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion	1	Child elements that identify a single search criterion by criteria type.

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RefPoint	0..n	Identifies the searchable area for which availability information is desired. Either RefPoint or HotelRef are required.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / CodeRef	0..n	Identifies the searchable area for which availability information is desired. Either RefPoint or HotelRef are required.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / HotelRef	0..n	Identifies the hotel (s) for which availability information is desired. Either RefPoint or HotelRef are required.
@HotelCode	1	Indicates the hotel for which the availability is being requested.
@ChainCode	0..1	Indicates the chain to which the hotel belongs
@BrandCode	0..1	Indicates the Brand within the Chain to which the hotel belongs
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / StayDateRange	1	Range of dates for Availability Request
@Start	1	Arrival Date
@End	1	Departure Date
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RatePlanCandidates /RatePlanCandidate	1..x	List of requested rates
@RatePlanCode	0..1	A string value may be used to request a particular code or an ID if the guest qualifies for a specific rate, such as AARP, AAA, a corporate rate, etc., or to specify a negotiated code as a result of a negotiated rate.
@RatePlanID	0..1	A text field used to indicate a special ID code that is associated with the rate and is essential in the reservation request in order to obtain the rate. Examples are Corporate ID.
@PromotionCode	0..1	The identifier used by the host to link directly with a specific named advertising campaign (not the rate code).

Element @Attribute	Num	Description/Contents
@RatePlanType	0..1	An enumerated type that allows the query to specify a rate category type, and provides major categories for comparison across brands. Refer to OpenTravel Code List Rate Plan Type (RPT).
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RatePlanCandidates / RatePlanCandidate / Service	0..1	Identifies business services of interest. This is also a container that identifies package components the shopping system desires.
@ServiceInventoryCode	0..1	An identifier used to specify the service/package component.
@Quantity	0..1	The number of services (e.g., tickets, rounds of golf). If not present, this value is assumed to be 1.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates /	0..1	Collection of requested room stays.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate	1..x	List of requested room types.
@RoomTypeCode	0..1	Specific system room type code.
@InvBlockCode	0..1	A code or identification number that identifies the room stay as part of a group, package tour, or block of rooms designated in the inventory.
@Quantity	1	Defines the number of rooms requested.
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate / GuestCounts	1	A collection of GuestCount elements.

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRQ / AvailRequestSegments / AvailRequestSegment / HotelSearchCriteria / Criterion / RoomStayCandidates / RoomStayCandidate / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode		A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC). HTNG will support the following values from the OpenTravel Alliance AQC code list: 8- Child 10-Adult
@Age	0..1	Defines the age of a guest.
OTA_HotelAvailRQ / HotelReservationIDs / HotelReservationID	0..1	The HotelReservationID is used in the case where a guest wishes to modify their reservation. The receiving system will perform a 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: 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.

12.1.2 Check Availability Response

The availability response will make use of the OTA_HotelAvailRS message.

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 / Errors	0..1	
OTA_HotelAvailRS / Errors / Error	1..99	
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelAvailRS / Warnings	0..1	
OTA_HotelAvailRS / Warnings / Warning	1..99	Can be used in conjunction with Success message
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
OTA_HotelAvailRS / RoomStays	0..1	A collection of room stay elements
OTA_HotelAvailRS / RoomStays / RoomStay	1..n	Details on the Room Stay including Guest Counts, Time Span of this Room Stay, and financial information related to the Room Stay, including Guarantee, Deposit and Payment and Cancellation Penalties.
@MarketCode	0..1	The code that relates to the market being sold to (e.g., the corporate market, packages).
@SourceOfBusiness	0..1	To specify where the business came from e.g. radio, newspaper ad, etc.

Element @Attribute	Num	Description/Contents
@PromotionCode	0..1	The identifier used by the host to link directly with a specific named advertising campaign (not the rate code).
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes	1	A collection of Room Types associated with a particular RoomStay.
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes / RoomType	1..n	Detailed room type information.
@RoomTypeCode	0..1	Specific system room type code.
@InvBlockCode	0..1	A code or identification number that identifies the room stay as part of a group, package tour, or block of rooms designated in the inventory.
@Quantity	0	Defines the number of rooms available.
OTA_HotelAvailRS / RoomStays / RoomStay / RoomTypes / RoomType / RoomDescription	0..1	
@Name	0..1	Name associated with this room description
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Text	0..n	Description of the room.
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Image	0..n	Full URL path to image.
OTA_HotelAvailRS / RoomStays / Room Stay / RoomTypes / RoomType / RoomDescription / Occupancy	0..n	Occupancy information by room type. This will contain the number of people allowed in the room for the rate.
OTA_HotelAvailRS / RoomStays / Room Stay / RatePlans	0..n	A collection of rate plans associated with this room stay.

Element @Attribute	Num	Description/Contents
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.
@RatePlanType		An enumerated type that allows the query to specify a rate category type, and provides major categories for comparison across brands. Refer to OpenTravel Code List Rate Plan Type (RPT).
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / Guarantee	0..5	Guarantee information that applies to the rate plan. A maximum of 5 occurrences are available for use depending on the context.
@GuaranteeCode	1	System Code associated with the Guarantee
@GuaranteeType	1	Enumerated value indicating the type of Guarantee Possible Values: 1) CC/DC/Voucher 2) Profile 3) Deposit 4) PrePay
OTA_HotelAvailRS / RoomStays / RoomStay / RatePlans / RatePlan / CancelPenalties	0..1	Collection of Cancel Penalties
@CancelPolicyIndicator	0..1	When "True" indicates a cancellation policy exists. Typically sent if no cancel details are sent.
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.

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

Element @Attribute	Num	Description/Contents
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates	1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate	1	
@EffectiveDate	1	Indicates the starting date
@ExpireDate	1	Indicates the ending date
@ExpireDateExclusiveIndicator	1	When true, indicates that the ExpireDate is the first day after the applicable period (e.g. when expire date is Oct 15, the last date of the period is Oct 14).
@RateTimeUnit		Indicates the time unit for the rate
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base	1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should 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
@AdditionalFeesExcludedIndicator		
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / Base / Taxes / Tax	1.99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive" or "cumulative"
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent	0..1	Must send either Percent or Amount

Element @Attribute	Num	Description/Contents
@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	
@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	

Element @Attribute	Num	Description/Contents
@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 / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes	0..1	
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax	1..99	
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is "inclusive", "exclusive" or "cumulative"
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Percent	0..1	Need to send either Percent or Amount
@Amount	0..1	Need to send either Percent or Amount
@CurrencyCode	1	CurrencyCode 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

Element @Attribute	Num	Description/Contents
@ChargeUnit	0..1	If different from value under base
@ChargeFrequency	0..1	Noting if the charge is nightly, weekly, per stay
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax / TaxDescription	0..1	
@Name	0..1	Name associated with this tax description
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / Rates / Rate / AdditionalGuestAmounts / AdditionalGuestAmount / Amount / Taxes / Tax / TaxDescription / Text	0..n	Description of the tax.
@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.

Element @Attribute	Num	Description/Contents
@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	
@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

Element @Attribute	Num	Description/Contents
@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
@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.

Element @Attribute	Num	Description/Contents
@Formatted	0..1	Indicates whether textual information is formatted.
@Language	1	Identifies the language of the description. If possible should match OTA_HotelAvailRQ/@PrimaryLangID (ISO 639).
@TextFormat	0..1	Indicates the format of text used in the description. Possible Values: PlainText HTML
OTA_HotelAvailRS / RoomStays / Room Stay / RoomRates / RoomRate / 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 / Total / Taxes / Tax	1..99	
@Type	0..1	
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@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

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

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

Element @Attribute	Num	Description/Contents
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packaging, a value of "18" (Other) should be used.
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No), and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.
@ServicePricingType	1	An enumerated type that defines how a service is priced. Values: Per stay, Per person, Per night, Per person per night, Per use.
OTA_HotelAvailRS / Services / Service / Price	0..1	The selling price of this Service.
@AgeQualifyingCode	0..1	Defines an age range or age category of a guest (e.g., under 21, over 65, teen, infant). Refer to OpenTravel Code List Age Qualifying Code (AQC).
@ExpireDate	0..1	Indicates the ending date.
@UnitMultiplier	0..1	Indicates the number of rate time units such as "3 Days".
@EffectiveDate	0..1	Indicates the starting date
OTA_HotelAvailRS / Services / Service / Price / Base	0..1	The base amount charged for the accommodation or service per unit of time (ex: Nightly, Weekly, etc). If TaxInclusive is set to True, then taxes are included in the base amount. Note that any additional charges should itemized in the other elements. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g., sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g., sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g., USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelAvailRS / Services / Service / Total	0..1	The total amount charged for this rate including additional occupant amounts and fees. For a price element to have meaning, Base or Total MUST be populated.
@AmountBeforeTax	0..1	The total amount not including any associated tax (e.g., sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated. AmountBeforeTax or AmountAfterTax MUST be populated.

Element @Attribute	Num	Description/Contents
@CurrencyCode	0..1	The code specifying a monetary unit. Use ISO 4217, three alpha code.
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g., sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g., USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelAvailRS / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment and Cancellation Penalties.
OTA_HotelAvailRS / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated to the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_HotelAvailRS / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelAvailRS / Services / Service / ServiceDetails / TimeSpan	1	The Time Span which covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.

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>
                <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 room 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.

```
<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>
      </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>
</RoomRates>
```

```

                                </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).

```

<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.

```
<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"/>
          </AdditionalGuestAmount>
          <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" />
          </AdditionalGuestAmount>
        </AdditionalGuestAmounts>
      </Rate>
    </Rates>
  </RoomRate>
</RoomRates>
</RoomRates>
```



```

                                <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 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>
    </RoomStay>
  </RoomStays>
</OTA_HotelAvailRS>
```

```
</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>
    </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>
</RoomRates>
</RatePlans>
</RoomTypes>
```

```
</Base>
    </Taxes>
  </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>
      <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>
```

Scenario 4: Shop for Packages

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

AvailReqType = Room
RatePlanType = 11

```
<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test"
PricingMethod="None" xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Room">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a" HotelCodeContext="a"/>
          <StayDateRange End="2012-10-03" Start="2012-10-01"/>
          <RoomStayCandidates>
            <RoomStayCandidate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandidate>
          </RoomStayCandidates>
          <RatePlanCandidates>
            <RatePlanCandidate RatePlanType="11"/>
          </RatePlanCandidates>
        </Criterion>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

The response includes only packages. Any package returned contains a single price for the entire stay. The Price element is optional, so a responding system may choose to not communicate the breakdown of a package's costs. The Service RPHs point to what is included in this package at no additional cost, and the Service Details in the Service element are specific to what is being offered for this package (1 round of golf for 2 people on Oct 2 – 2 rounds total). The rate is \$150 per night and a round of golf is \$100 per round. The total price of the package is \$500 (\$150 x 2 nights + \$100 x 2 rounds).

```
<OTA_HotelAvailRS EchoToken="a" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceViewableInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="PKG1" RatePlanType="11" RoomTypeCode="KING"
        ExpireDate="2012-10-01" EffectiveDate="2012-10-03">
          <Rates>
            <Rate ExpireDate="2012-10-03" EffectiveDate="2012-10-01" RateTimeUnit="FullDuration">
```

```

                                <Base AmountBeforeTax="500" AdditionalFeesExcludedIndicator="true" CurrencyCode="USD"
AmountAfterTax="500" DecimalPlaces="1">
                                </Base>
                                </Rate>
                                </Rates>
                                <ServiceRPHs>
                                    <ServiceRPH IsPerRoom="true" RPH="0"/>
                                </ServiceRPHs>
                                </RoomRate>
                                </RoomRates>
                                <TimeSpan End="1967-08-13" Start="1967-08-13"/>
                                <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
                                <GuestCounts>
                                    <GuestCount AgeQualifyingCode="10" Count="2"/>
                                </GuestCounts>
                                </RoomStay>
                                </RoomStays>
                                <Services>
                                    <Service ID="CPL18HOLEROUND" Type="18" Inclusive="true" RequestedIndicator="true" ServiceInventoryCode="CPL18HOLEROUND"
ServiceRPH="0" Quantity="2" ServicePricingType="Per use">
                                        <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                                            <Base Type="5" AmountBeforeTax="100.00" CurrencyCode="USD" AmountAfterTax="100.00" DecimalPlaces="2">
                                                </Base>
                                            <Total Type="5" AmountBeforeTax="200.00" CurrencyCode="USD" AmountAfterTax="200.00" DecimalPlaces="2">
                                                </Total>
                                            </Price>
                                            <ServiceDetails>
                                                <GuestCounts IsPerRoom="false">
                                                    <GuestCount AgeQualifyingCode="10" Count="2"/>
                                                </GuestCounts>
                                                <TimeSpan End="2012-10-02" Start="2012-10-02"/>
                                            </ServiceDetails>
                                        </Service>
                                    </Services>
                                </OTA_HotelAvailRS>
```

Scenario 5: Shop for Package availability and Add-On Services (non inclusive)

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

AvailReqType = Both
RatePlanType = 11

```

<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test"
PricingMethod="None" xmlns="http://www.opentravel.org/OTA/2003/05">
    <AvailRequestSegments>
        <AvailRequestSegment AvailReqType="Both">
            <HotelSearchCriteria>
                <Criterion>
                    <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a" HotelCodeContext="a"/>
                    <StayDateRange End="2012-10-03" Start="2012-10-01"/>
                </Criterion>
            </HotelSearchCriteria>
        </AvailRequestSegment>
    </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

```
        <RoomStayCandidates>
          <RoomStayCandidate>
            <GuestCounts IsPerRoom="true">
              <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
          </RoomStayCandidate>
        </RoomStayCandidates>
        <RatePlanCandidates>
          <RatePlanCandidate RatePlanType="11"/>
        </RatePlanCandidates>
      </Criterion>
    </HotelSearchCriteria>
  </AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>
```

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

```
<OTA_HotelAvailRS EchoToken="a" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceViewableInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="PKG1" RatePlanType="11" RoomTypeCode="KING"
        ExpireDate="2012-10-01" EffectiveDate="2012-10-03">
          <Rates>
            <Rate ExpireDate="2012-10-03" EffectiveDate="2012-10-01" RateTimeUnit="FullDuration">
              <Base AmountBeforeTax="500" AdditionalFeesExcludedIndicator="true" CurrencyCode="USD"
              AmountAfterTax="500" DecimalPlaces="1">
                </Base>
              </Rate>
            </Rates>
            <ServiceRPHs>
              <ServiceRPH IsPerRoom="true" RPH="0"/>
            </ServiceRPHs>
          </RoomRate>
        </RoomRates>
        <TimeSpan End="2012-10-01" Start="2012-10-03"/>
        <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
        <GuestCounts>
          <GuestCount AgeQualifyingCode="10" Count="2"/>
        </GuestCounts>
      </RoomStay>
    </RoomStays>
  </Services>
```

```
<Service ID="CPL18HOLEROUND" Type="18" Inclusive="true" RequestedIndicator="true" ServiceInventoryCode="CPL18HOLEROUND"
ServiceRPH="0" Quantity="2" ServicePricingType="Per use">
  <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
  ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
    <Base Type="5" AmountBeforeTax="100.00" CurrencyCode="USD" AmountAfterTax="100.00" DecimalPlaces="2">
      <Total Type="5" AmountBeforeTax="200.00" CurrencyCode="USD" AmountAfterTax="200.00" DecimalPlaces="2">
        </Total>
      </Base>
    </Price>
    <ServiceDetails>
      <GuestCounts IsPerRoom="false">
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
      <TimeSpan End="2012-10-02" Start="2012-10-02"/>
    </ServiceDetails>
  </Service>
  <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MASSAGE" ServiceRPH="1"
  Quantity="5" ServicePricingType="Per use">
    <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
    ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
      <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
        <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
          </Total>
        </Base>
      </Price>
      <ServiceDetails>
        <TimeSpan Start="2012-10-02T15:00:00" End="2012-10-02T16:00:00"/>
      </ServiceDetails>
    </Service>
    <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MASSAGE" ServiceRPH="2"
    Quantity="1" ServicePricingType="Per use">
      <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
      ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
        <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
          <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
            </Total>
          </Base>
        </Price>
        <ServiceDetails>
          <TimeSpan Start="2012-10-02T16:00:00" End="2012-10-02T17:00:00"/>
        </ServiceDetails>
      </Service>
    </Services>
  </OTA_HotelAvailRS>
```

Scenario 6: Shop for NON Package availability and Add-On Services (non inclusive)

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

AvailReqType = Both
RatePlanType = 13

```
<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true" TimeStamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test"
PricingMethod="None" xmlns="http://www.opentravel.org/OTA/2003/05">
```



```
<AvailRequestSegments>
  <AvailRequestSegment AvailReqType="Both">
    <HotelSearchCriteria>
      <Criterion>
        <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a" HotelCodeContext="a"/>
        <StayDateRange End="2012-10-03" Start="2012-10-01"/>
        <RoomStayCandidates>
          <RoomStayCandidate>
            <GuestCounts IsPerRoom="true">
              <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
          </RoomStayCandidate>
        </RoomStayCandidates>
        <RatePlanCandidates>
          <RatePlanCandidate RatePlanType="13"/>
        </RatePlanCandidates>
      </Criterion>
    </HotelSearchCriteria>
  </AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>
```

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

```
<OTA_HotelAvailRS EchoToken="a" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceViewableInd="true" RatePlanCode="RACK" RatePlanType="13"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="RACK" RoomTypeCode="KING" ExpireDate="2012-10-01"
EffectiveDate="2012-10-03">
          <Rates>
            <Rate ExpireDate="2012-10-03" EffectiveDate="2012-10-01">
              <Base AmountBeforeTax="100.00" AdditionalFeesExcludedIndicator="true" CurrencyCode="AAA"
AmountAfterTax="100.00" DecimalPlaces="1">
                </Base>
              </Rate>
            </Rates>
          </RoomRate>
        </RoomRates>
        <TimeSpan End="2012-10-01" Start="2012-10-03"/>
        <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
        <GuestCounts>
          <GuestCount AgeQualifyingCode="10" Count="2"/>
        </GuestCounts>
      </RoomStay>
    </RoomStays>
  </OTA_HotelAvailRS>
```

```
        </GuestCounts>
      </RoomStay>
    </RoomStays>
    <Services>
      <Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MESSAGE" ServiceRPH="0"
Quantity="5" ServicePricingType="Per use">
        <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
          <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
            <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
              </Total>
            </Price>
            <ServiceDetails>
              <TimeSpan Start="2012-10-02T15:00:00" End="2012-10-02T16:00:00"/>
            </ServiceDetails>
          </Service>
          <Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MESSAGE" ServiceRPH="1"
Quantity="1" ServicePricingType="Per use">
            <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
              <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                </Base>
              </Price>
              <ServiceDetails>
                <TimeSpan Start="2012-10-02T16:00:00" End="2012-10-02T17:00:00"/>
              </ServiceDetails>
            </Service>
          </Services>
        </OTA_HotelAvailRS>
```

Scenario 7: Shop for a specific Rate Plan (non Package) and Add-On Services (non inclusive)

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

AvailReqType = Both

RatePlanCode = AAA

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

```
<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test"
PricingMethod="None" xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a" HotelCodeContext="a"/>
          <StayDateRange End="2012-10-03" Start="2012-10-01"/>
          <RoomStayCandidates>
            <RoomStayCandidate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
```

```
                </RoomStayCandidate>
            </RoomStayCandidates>
            <RatePlanCandidates>
                <RatePlanCandidate RatePlanCode="AAA"/>
            </RatePlanCandidates>
        </Criterion>
    </HotelSearchCriteria>
</AvailRequestSegment>
</AvailRequestSegments>
</OTA_HotelAvailRQ>
```

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

```
<OTA_HotelAvailRS EchoToken="a" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
    <Success/>
    <RoomStays>
        <RoomStay>
            <RoomTypes>
                <RoomType RoomTypeCode="KING"/>
            </RoomTypes>
            <RatePlans>
                <RatePlan PriceViewableInd="true" RatePlanCode="AAA" RatePlanType="13"/>
            </RatePlans>
            <RoomRates>
                <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="AAA" RoomTypeCode="KING" ExpireDate="2012-10-01"
EffectiveDate="2012-10-03">
                    <Rates>
                        <Rate ExpireDate="2012-10-03" EffectiveDate="2012-10-101">
                            <Base AmountBeforeTax="100.00" AdditionalFeesExcludedIndicator="true" CurrencyCode="AAA"
AmountAfterTax="100.00" DecimalPlaces="1">
                                </Base>
                            </Rate>
                        </Rates>
                    </RoomRate>
                </RoomRates>
                <TimeSpan End="2012-10-01" Start="2012-10-03"/>
                <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
                <GuestCounts>
                    <GuestCount AgeQualifyingCode="10" Count="2"/>
                </GuestCounts>
            </RoomStay>
        </RoomStays>
        <Services>
            <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MASSAGE" ServiceRPH="0"
Quantity="5" ServicePricingType="Per use">
                <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                    <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                        </Base>
                    <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                        </Total>
                    </Price>
                </Service>
            </Services>
        </OTA_HotelAvailRS>
```

```
        </Price>
        <ServiceDetails>
          <TimeSpan Start="2012-10-02T15:00:00" End="2012-10-02T16:00:00"/>
        </ServiceDetails>
      </Service>
      <Service ID="MASSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MASSAGE" ServiceRPH="1"
Quantity="1" ServicePricingType="Per use">
        <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
          <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
        </Base>
      </Price>
      <ServiceDetails>
        <TimeSpan Start="2012-10-02T16:00:00" End="2012-10-02T17:00:00"/>
      </ServiceDetails>
    </Service>
  </Services>
</OTA_HotelAvailRS>
```

Scenario 8: Shop for a specific Package and Add-On Services (non inclusive)

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

AvailReqType = Both
RatePlanCode = PKG1
RatePlanType= "11"

```
<OTA_HotelAvailRQ EchoToken="a" MaxResponses="12" RateDetailsInd="true" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test"
PricingMethod="None" xmlns="http://www.opentravel.org/OTA/2003/05">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Both">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef ChainCode="a" HotelName="a" BrandCode="a" HotelCode="a" HotelCodeContext="a"/>
          <StayDateRange End="2012-10-03" Start="2012-10-01"/>
          <RoomStayCandidates>
            <RoomStayCandidate>
              <GuestCounts IsPerRoom="true">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
              </GuestCounts>
            </RoomStayCandidate>
          </RoomStayCandidates>
          <RatePlanCandidates>
            <RatePlanCandidate RatePlanCode="PKG1" RatePlanType="11"/>
          </RatePlanCandidates>
          <Service ServiceInventoryCode="CPL18HOLEROUND" Quantity="1"/>
        </Criterion>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

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

```
<OTA_HotelAvailRS EchoToken="a" Timestamp="2001-12-17T09:30:47Z" Version="0.0" Target="Test" xmlns="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RoomTypes>
        <RoomType RoomTypeCode="KING"/>
      </RoomTypes>
      <RatePlans>
        <RatePlan PriceViewableInd="true" RatePlanCode="PKG1" RatePlanType="11"/>
      </RatePlans>
      <RoomRates>
        <RoomRate ExpireDateExclusiveIndicator="true" RatePlanCode="PKG1" RatePlanType="11" RoomTypeCode="KING"
        ExpireDate="2012-10-01" EffectiveDate="2012-10-03">
          <Rates>
            <Rate ExpireDate="2012-10-03" EffectiveDate="2012-10-01" RateTimeUnit="FullDuration">
              <Base AmountBeforeTax="500" AdditionalFeesExcludedIndicator="true" CurrencyCode="USD"
              AmountAfterTax="500" DecimalPlaces="1">
                </Base>
              </Rate>
            </Rates>
            <ServiceRPHs>
              <ServiceRPH IsPerRoom="true" RPH="0"/>
            </ServiceRPHs>
          </RoomRate>
        </RoomRates>
        <TimeSpan End="2012-10-01" Start="2012-10-03"/>
        <BasicPropertyInfo ChainCode="a" BrandCode="a" HotelCode="a"/>
        <GuestCounts>
          <GuestCount AgeQualifyingCode="10" Count="2"/>
        </GuestCounts>
      </RoomStay>
    </RoomStays>
    <Services>
      <Service ID="CPL18HOLEROUND" Type="18" Inclusive="true" RequestedIndicator="true" ServiceInventoryCode="CPL18HOLEROUND"
      ServiceRPH="0" Quantity="2" ServicePricingType="Per use">
        <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
        ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
          <Base Type="5" AmountBeforeTax="100.00" CurrencyCode="USD" AmountAfterTax="100.00" DecimalPlaces="2">
            </Base>
          <Total Type="5" AmountBeforeTax="200.00" CurrencyCode="USD" AmountAfterTax="200.00" DecimalPlaces="2">
            </Total>
          </Price>
          <ServiceDetails>
            <GuestCounts IsPerRoom="false">
              <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
            <TimeSpan End="2012-10-02" Start="2012-10-02"/>
          </ServiceDetails>
        </Service>
      </Services>
    </OTA_HotelAvailRS>
```

```

        </Service>
        <Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MESSAGE" ServiceRPH="1"
Quantity="5" ServicePricingType="Per use">
            <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                    </Base>
                <Total Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                    </Total>
                </Price>
                <ServiceDetails>
                    <GuestCounts IsPerRoom="false">
                        <GuestCount AgeQualifyingCode="10" Count="2"/>
                    </GuestCounts>
                    <TimeSpan Start="2012-10-02T15:00:00" End="2012-10-02T16:00:00"/>
                </ServiceDetails>
            </Service>
            <Service ID="MESSAGE" Type="18" Inclusive="false" RequestedIndicator="true" ServiceInventoryCode="MESSAGE" ServiceRPH="2"
Quantity="1" ServicePricingType="Per use">
                <Price MaxGuestApplicable="2" MaxLOS="999" ExpireDateExclusiveIndicator="true" AgeQualifyingCode="10"
ExpireDate="2012-12-31" ChargeType="9" UnitMultiplier="1" EffectiveDate="2012-01-01" MinGuestApplicable="1" MaxAge="999" MinAge="16">
                    <Base Type="5" AmountBeforeTax="50.00" CurrencyCode="USD" AmountAfterTax="50.00" DecimalPlaces="2">
                        </Base>
                    </Price>
                    <ServiceDetails>
                        <GuestCounts IsPerRoom="false">
                            <GuestCount AgeQualifyingCode="10" Count="2"/>
                        </GuestCounts>
                        <TimeSpan Start="2012-10-02T16:00:00" End="2012-10-02T17:00:00"/>
                    </ServiceDetails>
                </Service>
            </Services>
        </OTA_HotelAvailRS>
    
```

12.2 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.

12.2.1 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.

12.2.2 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.
@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.

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_HotelResRQ / POS / Source / BookingChannel / CompanyName	0	This element is used to pass the primary booking source for the reservation.
@Code	0..1	Code is OPTIONAL and can be used to transfer the code of the Booking channel if such code is a recognised industry standard – the name however should always be sent as well as the code.
OTA_HotelResRQ / HotelReservations / HotelReservation	1	Must be sent for the message to have a meaning
@CreatorID	1	The CreatorID is the identifier of the user or, in its absence, the office that originated the reservation.
@ CreateDateTime	1	This is the date when the reservation was first made
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

Element @Attribute	Num	Description/Contents
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
@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.

Element @Attribute	Num	Description/Contents
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
@IsPerRoom	0..1	Indicates that the guest count provided is on a per room basis.

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8- Child 10-Adult
@Count	1	Count will include the number and will be repeated for each Type of guest.
@Age	0..1	Defines the age of a guest.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / TimeSpan	1	These are the in and out 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.

Element @Attribute	Num	Description/Contents
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
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.

Element @Attribute	Num	Description/Contents
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.
@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_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

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking
@SeriesCode	0..1	Identification of a series of coupons or vouchers identified by serial number(s).
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode 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

Element @Attribute	Num	Description/Contents
@CurrencyCode	0..1	Currency of the total Amount of Taxes
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional can be used for Total Pricing
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is “inclusive”, “exclusive” or “cumulative”
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Amount	0..1	Amount of the specific tax/fee transferred
@CurrencyCode	0..1	Currency for the Amount of the specific tax/fee transferred
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the chain to which the property belongs
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs

Element @Attribute	Num	Description/Contents
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.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	Comments

Element @Attribute	Num	Description/Contents
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 / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests, or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packing, a value of "18" (Other) should be used.
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.
@Inclusive	1	Whether the price for this service is included in the room rate. Values: False (or No), and True (or Yes).
@ServiceInventoryCode	1	The representation of the specific service being reserved.
@ServiceRPH	1	
@Quantity	1	The number of instances of a given service that can be booked.

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

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

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

Element @Attribute	Num	Description/Contents
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.
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).

Element @Attribute	Num	Description/Contents
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The 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.
@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

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's mail address.
@Type	1	The Type attribute uses the OpenTravel Alliance code list CLT and indicates the type of address provided (Home – code 1 vs business – code 2 or Other – code 3, in the case of the Guest details) and must be passed if an address is passed
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / AddressLine	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's address. More than one line can be sent
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CityName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's city
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / StateProv	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's State
@StateCode	0..1	State expressed in the Standard 2-8 characters code
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Postal / ZIP code

Element @Attribute	Num	Description/Contents
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
@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.

Element @Attribute	Num	Description/Contents
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
@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

Element @Attribute	Num	Description/Contents
@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_Extensions	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.

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_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: <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS. 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room or as part of an Itinerary.
@ResID_Type	1	ResID_Type is assigned values from the UIT code list If HotelReservationID is passed to transfer the PNR, The required value here is: 24 – Travel Agent PNR If HotelReservationID is passed to transfer the associated reservations, The possible values are: 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation.

Element @Attribute	Num	Description/Contents
@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.

12.2.3 Example Messages

Simple Reservation Request (One Part Booking Request)

```
<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"
                  <Base AmountAfterTax="100.00" CurrencyCode="EUR">
                </Base>
              </Rate>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2008-01-15"
                  <Base AmountAfterTax="150.00" CurrencyCode="EUR">
                </Base>
              </Rate>
            </Rates>
          </RoomRate>
        </RoomRates>
      </RoomStay>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRQ>
```

```
<GuestCounts IsPerRoom="1">
  <GuestCount AgeQualifyingCode="10" Count="2"/>
  <!-- code 10 = Adult-->
  <GuestCount AgeQualifyingCode="8" Count="1"/>
  <!-- code 8 = Child-->
</GuestCounts>
<TimeSpan End="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>
    <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>
        </Profiles>
    </ResGuest>
</ResGuests>
</Hotel>
```

```
</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>
```

Simple Reservation Request (Two Part Booking Request)

```
<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>
                                <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"/>
                    </GuestCounts>
                </RoomStay>
            </RoomStays>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResRQ>
```

```
<!-- 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>
```

```
<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>
  </ResGuest>
</ResGuests>
</RoomStays>
</Comments>
```

```
<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"
    <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535"
    <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"
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="442081523"
      <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>
```

PhoneTechType="1"/>

PhoneTechType="3"/>

PhoneTechType="1"/>

PhoneTechType="3"/>

```
        <ResGlobalInfo>
          <HotelReservationIDs>
            <HotelReservationID ResID_Type="24" ResID_Value="MPW96E"/>
            <!--code 24 = Travel Agent PNR-->
          </HotelReservationIDs>
        </ResGlobalInfo>
      </HotelReservation>
    </HotelReservations>
  </OTA_HotelResRQ>
```

RatePlan Reservation Request with Add-on

```
<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-->
            </GuestCounts>
          </RoomStay>
        </RoomStays>
      </HotelReservation>
    </HotelReservations>
  </OTA_HotelResRQ>
```

```
<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>
<Comments>
```

```
<Comment GuestViewable="1">
  <Text>Will be Travelling with Mrs Bardot</Text>
</Comment>
<Comment GuestViewable="0">
  <Text>Surprise gift in room</Text>
</Comment>
</Comments>
<SpecialRequests>
  <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
  <SpecialRequest>
    <Text>Pool view requested</Text>
  </SpecialRequest>
</SpecialRequests>
</RoomStay>
</RoomStays>
<Services>
  <Service ID="GOLF" Type="18" ServicePricingType="Per use" ServiceInventoryCode="GOLF" Quantity="1">
    <Price>
      <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
    </Price>
    <ServiceDetails>
      <GuestCounts IsPerRoom="false">
        <GuestCount AgeQualifyingCode="10" Count="2"/>
      </GuestCounts>
      <TimeSpan End="2008-08-13" Start="2008-08-13"/>
    </ServiceDetails>
  </Service>
</Services>
<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="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>
```

Package Reservation Request

```
<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="PKG1" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup" RatePlanType="11">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="FullDuration" EffectiveDate="2008-01-12"
ExpireDate="2008-01-17">
                                    <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                </RoomStay>
            </RoomStays>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResRQ>
```

```

                </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>
        <TPA_Extensions/>
        <ResGuestRPHs>

```

```
        <ResGuestRPH RPH="1"/>
    </ResGuestRPHs>
    <Memberships>
        <Membership AccountID="12345689" ProgramCode="Miles and More"/>
    </Memberships>
    <Comments>
        <Comment GuestViewable="1">
            <Text>Will be Travelling with Mrs Bardot</Text>
        </Comment>
        <Comment GuestViewable="0">
            <Text>Surprise gift in room</Text>
        </Comment>
    </Comments>
    <SpecialRequests>
        <SpecialRequest RequestCode="NS" CodeContext="roomfeature"/>
        <SpecialRequest>
            <Text>Pool view requested</Text>
        </SpecialRequest>
    </SpecialRequests>
</RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest ResGuestRPH="1">
        <Profiles>
            <ProfileInfo>
                <UniqueID Type="1" ID="12345" ID_Context="HotelLoyaltyProgram"/>
                <!-- code 1 = Customer-->
                <Profile ProfileType="1">
                    <!--code 1 = Customer-->
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr</NamePrefix>
                            <GivenName>James</GivenName>
                            <MiddleName>Arthur</MiddleName>
                            <Surname>Bond</Surname>
                        </PersonName>
                        <Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-66564100"

PhoneTechType="1" PhoneLocationType="7"/>

                        <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
                        <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101"

PhoneTechType="3" PhoneLocationType="7"/>

                        <!-- PhoneTechType 3 = Fax, PhoneLocationType 7 = Office, -->
                        <Email EmailType="2">james.bond@mi5.co.uk</Email>
                        <!--code 2 = Business -->
                        <Address Type="1">
                            <!--code 1 = Home -->
                            <AddressLine>Claretta House</AddressLine>
                            <AddressLine>Tower Bridge Close</AddressLine>
                            <CityName>London</CityName>
                            <PostalCode>EC1 2PG</PostalCode>
                            <StateProv StateCode="ENG"/>
                            <CountryName Code="UK"/>
                        </Address>
                    </Customer>
                </Profile>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</ResGuests>
```

```

                                <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>
```

Package Reservation Request with Add-on

```
<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="PKG1" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
InvBlockCode="XYZGroup" RatePlanType="11">
                            <Rates>
                                <Rate UnitMultiplier="1" RateTimeUnit="FullDuration" EffectiveDate="2008-01-12"
ExpireDate="2008-01-17">
                                    <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
                                </Rate>
                            </Rates>
                        </RoomRate>
                    </RoomRates>
                    <GuestCounts IsPerRoom="1">
                        <GuestCount AgeQualifyingCode="10" Count="2"/>
                        <!-- code 10 = Adult-->
                        <GuestCount AgeQualifyingCode="8" Count="1"/>
                        <!-- code 8 = Child-->
                    </GuestCounts>
                </RoomStay>
            </RoomStays>
        </HotelReservation>
    </HotelReservations>
</OTA_HotelResRQ>
```

```
</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>
  </GuaranteePayment>
  <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>
<Services>
    <Service ID="GOLF" Type="18" ServicePricingType="Per use" ServiceInventoryCode="GOLF" Quantity="1">
        <Price>
            <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
        </Price>
        <ServiceDetails>
            <GuestCounts IsPerRoom="false">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
            <TimeSpan End="2008-08-13" Start="2008-08-13"/>
        </ServiceDetails>
    </Service>
</Services>
<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"
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535"
      <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"
      <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="442081523"
      <Email>reservations@traveldreams.co.uk</Email>
    </CompanyInfo>
  </Profile>
  PhoneTechType="1"/>
  PhoneTechType="3"/>
  PhoneTechType="1"/>
  PhoneTechType="3"/>
```



```

        </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>

```

12.2.4 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	<p>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.</p> <table><tr><td>RQ</td><td>RS</td></tr><tr><td>Initiate</td><td>Pending</td></tr><tr><td>Commit</td><td>Committed</td></tr><tr><td>Ignore</td><td>Ignored</td></tr></table> <p>In the case of an error message, the result would be “Unsuccessful.”</p>	RQ	RS	Initiate	Pending	Commit	Committed	Ignore	Ignored
RQ	RS									
Initiate	Pending									
Commit	Committed									
Ignore	Ignored									

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / Errors / Error	1..99	Mandatory ONLY if Success element is not sent. Only needed if RQ message was unsuccessful.
@Type	1	Mandatory in OTA. Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation failed, the uniqueID of the rejected reservation should be reported here
OTA_HotelResRS / Success	1	Mandatory if no Errors where sent. This is the annotation that the reservation batch was received successfully. It could be combined with warning messages if some of the reservations in the batch had issues
OTA_HotelResRS / Warnings / Warning	0..99	Can be used in conjunction with Success message
@Type	1	Refers to OpenTravel Alliance EWT list (error warning type).
@Code	0..1	Refers to OpenTravel Alliance list ERR. Should be used wherever possible
@RecordID	0..1	If the receiving system is able to identify within a batch of reservations which reservation has a warning, the uniqueID of that reservation should be reported here.
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.

Element @Attribute	Num	Description/Contents
@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_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.

Element @Attribute	Num	Description/Contents
@AmountBeforeTax OR @AmountAfterTax	1	Either @AmountBeforeTax or AmountAfterTax is Mandatory for each @NumberOfGuests. Partners must select whether to send either the @AmountBeforeTax or @AmountAfterTax (or both) attributes.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / 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.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / 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 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.

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 2 options are : charge (prepayment) or reserve (deposit). Would be optional in the schema
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the card to which the deposit or prepayment for the booking must be charged
@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

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / Deadline	0..1	Indicates when the deposit is due if not at the time of booking
@AbsoluteDeadline	0..1	Used as per OpenTravel Alliance schema
@OffsetTimeUnit	0..1	Used as per OpenTravel Alliance schema
@OffsetUnitMultiplier	0..1	Used as per OpenTravel Alliance schema
@OffsetDropTime	0..1	Used as per OpenTravel Alliance schema
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking
@SeriesCode	0..1	Identification of a series of coupons or vouchers identified by serial number(s).
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Total	0..1	This is the total amount for the stay.
@CurrencyCode	1	CurrencyCode 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_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”
@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
@HotelName	0..1	The name of the hotel.
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / RoomStays / RoomStay / Memberships / Membership	0..n	The element Membership is optional but both attributes would need to be MANDATORY
@ProgramCode	1	The loyalty 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 / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text		Comments
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.

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

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

Element @Attribute	Num	Description/Contents
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelResRS / HotelReservations / HotelReservation / Services / Service / ServiceDetails / TimeSpan	1	The Time Span which covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest /	1	
@ResGuestRPH	1	For simple reservations: If profiles for guest, travel agency and company are available, they would all be linked to a single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to 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...)
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile	1	

Element @Attribute	Num	Description/Contents
@ProfileType	1	This is used to pass the profile info for the guest, the Company and the Travel agency. For the individual guest the code used in ProfileType is the OpenTravel Alliance PRT code 1-[Customer], For a company it is PRT Code – 3 [Corporation]. For a travel agency it is PRT code 4 – [Travel agent]
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's 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

Element @Attribute	Num	Description/Contents
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
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.

Element @Attribute	Num	Description/Contents
@DefaultInd	0..1	DefaultInd is optional and would indicate whether the phone number is the primary phone number for the profile
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Email	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's email address.
@EmailType,	0..1	The Email Type attribute uses the OpenTravel Alliance code list EAT and indicates the type of email address provided (personal – code 1 vs business – code 2, in the case of the Guest details) and must be passed if more than one email address is passed. If only one email address is passed we can have it optional
@DefaultInd	0..1	DefaultInd is optional and would indicate whether the email is the primary email for the profile
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's mail address.
@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

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Postal / ZIP code
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Country
@Code	0..1	Country expressed in the Standard ISO 3166 code
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile
@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.

Element @Attribute	Num	Description/Contents
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's State
@StateCode	0..1	State expressed in the Standard 2-8 characters code
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / PostalCode	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's postal or ZIP code
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / CountryName	0..1	Optional. This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's Country
@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.

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 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
OTA_HotelResRS / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / TPA_Extensions	0..n	Could be used to pass additional Profile data upon agreement between partners (specific Keys or codes for instance)
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).

Element @Attribute	Num	Description/Contents
@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: <ol style="list-style-type: none"> 1. The PNR number for the reservation assigned by the GDS. 2. The reservation number for reservations that are linked to this reservation as associated reservation either for guests travelling together, sharing a room or as part of an Itinerary. 3. The confirmation number issued by the CRS. 4. The confirmation number issued by the PMS
@ResID_Type	1	ResID_Type is assigned values from the UIT code list If it is a PMS: ResID_Type = 10 - Hotel If it is a CRS: ResID_Type = 14 - Reservation If HotelReservationID is passed to transfer the PNR, The required value here is: 24 - Travel Agent PNR If HotelReservationID is passed to transfer the associated reservations, The possible values are: 25- Associated reservation (travelling with) 26- Associated itinerary reservation 27- Associated shared reservation. For any other type of system the implementing partners should agree on the appropriate code from the OpenTravel Alliance UIT code list.
@ResID_Value	1	This is the confirmation number associated with the @ResID_Type.
OTA_HotelResRS / HotelReservations / HotelReservation / UniqueID	1	This is the confirmation number for the reservation assigned by the immediate originator of the booking (i.e the system 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)

```
<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">
                  <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">
```

```

SeriesCode="123" CardCode="VS">
    <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
        <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>
    <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="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>
```

Example Message – Simple Reservation Response (Two Step Reservation Request)

```
<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">
      <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>
      </AcceptedPayment>
    </GuaranteePayment>
  </DepositPayments>
</RoomStay>
```



```
OffsetUnitMultiplier="10"/>
    <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
    </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>
                            <GivenName>James</GivenName>
                            <MiddleName>Arthur</MiddleName>
                            <Surname>Bond</Surname>
                        </PersonName>
```

```
PhoneTechType="1" PhoneLocationType="7"/>
PhoneTechType="3" PhoneLocationType="7"/>

<Telephone FormattedInd="1" DefaultInd="1" PhoneNumber="44-69-66564100"
  <!-- PhoneTechType 1 = Voice, PhoneLocationType 7 = Office, -->
  <Telephone FormattedInd="1" DefaultInd="0" PhoneNumber="44-69-66564101"
    <!-- 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"
        <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="44-208-1535"
          <Email>Mi5Info@mi5.co.uk</Email>
      </CompanyInfo>
    </Profile>
  </ProfileInfo>
</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>
```

12.2.5 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.

Element @Attribute	Num	Description/Contents
@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) 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.

Element @Attribute	Num	Description/Contents
@ 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.
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.

Element @Attribute	Num	Description/Contents
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
@IsPerRoom	0..1	Indicates that the guest count provided is on a per room basis.
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / GuestCounts / GuestCount	1..n	Contains the type and number of guests included in the reservation.
@AgeQualifyingCode	1	The 2 codes used from the OpenTravel Alliance AQC code list are: 8- Child 10-Adult
@Count	1	Count will include the number and will be repeated for each Type of guest.
@Age	0..1	Defines the age of a guest.

Element @Attribute	Num	Description/Contents
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.
@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

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
@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

Element @Attribute	Num	Description/Contents
@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

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the chain to which the property belongs
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / ResGuestRPHs / ResGuestRPH /	1..n	
@RPH	1	This is used to link the various profiles to the reservation
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Memberships / Membership	0..n	The element Membership is optional but both attributes would need to be MANDATORY
@ProgramCode	1	The loyalty 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.

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Comments / Comment / Text	1	
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 / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests, or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs collection.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service	1..n	A Service object represents a non-room product provided to guests. Service products may have associated inventory and charges.
@Type	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT). For the purposes of dynamic packaging, a value of "18" (Other) should be used.
@ID	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation. For the purposes of dynamic packaging, this value should be the same as the value of the ServiceInventoryCode attribute.

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

Element @Attribute	Num	Description/Contents
@AmountAfterTax	0..1	The total amount including all associated taxes (e.g., sales tax, VAT, GST or any associated tax). AmountBeforeTax or AmountAfterTax MUST be populated.
@DecimalPlaces	0..1	Indicates the number of decimal places for a particular currency. This is equivalent to the ISO 4217 standard "minor unit". Typically used when the amount provided includes the minor unit of currency without a decimal point (e.g., USD 8500 needs DecimalPlaces="2" to represent \$85).
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails	1	Details on the Service including Guest Counts, Time Span of this Service, pointers to Res Guests, guest Memberships, Comments and Special Requests pertaining to this particular Service and finally financial information related to the Service, including Guarantee, Deposit and Payment and Cancellation Penalties.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts	1	A collection of Guest Counts associated to the whole Reservation or a particular Room Stay or Service. A child Guest Count element is required for each distinct age group.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / GuestCounts / GuestCount	1..n	A recurring element that identifies the number of guests and ages of the guests.
@AgeQualifyingCode	1	A code representing a business rule that determines the charges for a guest based upon age range (e.g. Adult, Child, Senior, Child With Adult, Child Without Adult). This attribute allows for an increase in rate by occupant class. Refer to OpenTravel Code List Age Qualifying Code (AQC).
@Count	1	The number of guests in one AgeQualifyingCode or Count.
OTA_HotelResRQ / HotelReservations / HotelReservation / Services / Service / ServiceDetails / TimeSpan	1	The Time Span which covers the Reservation, Room Stay or Service.
@End	1	The ending value of the time span.
@Start	1	The starting value of the time span.
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest /	1	
@ResGuestRPH	1	For simple reservations: If profiles for guest, travel agency and company are available, they would all be linked to a single ResGuestRPH. A comment has been entered with OpenTravel Alliance for phase 2 to accommodate more complex scenarios.

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

Element @Attribute	Num	Description/Contents
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.
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).

Element @Attribute	Num	Description/Contents
@PhoneTechType	0..1	The PhoneTechType attribute refers to the OpenTravel Alliance PTT code list and indicates which type of number is transmitted (phone vs fax). The codes to be used by HTNG are: Code 1 –Voice Code 3 – Fax Code 5 - Mobile
@Phone Number	1	PhoneNumber contains the actual number as a string of max 32 characters and it is MANDATORY
@CountryAccessCode	0..1	Code assigned by telecommunications authorities for international country access identifier.
@Area City Code	0..1	Code assigned for telephones in a specific region, city, or area.
@FormattedInd	1	FormattedInd is MANDATORY. If the partner can use Country and Area codes then it should be set to NO. If country code and area code are passed then they should not appear again in the PhoneNumber field. If the partner cannot use country and area code then entire number is passed in the PhoneNumber field and FormattedInd it should be set to YES if the number needs to be parsed as there is a separation of the different parts or set to NO to indicate that the PhoneNumber field contains the entire phone number without a specific format.
@ DefaultInd	0..1	DefaultInd is optional and would indicate whether the phone number is the primary phone number for the profile
OTA_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

Element @Attribute	Num	Description/Contents
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / AddressLine	0..5	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's address. More than one line can be sent
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CityName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's city
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / StateProv	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's State
@StateCode	0..1	State expressed in the Standard 2-8 characters code
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / PostalCode	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Postal / ZIP code
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / Address / CountryName	0..1	This path is used to transmit the Customer details. Details of the company or Travel agency use a different path. This field would be used to pass the guest's Country
@Code	0..1	Country expressed in the Standard ISO 3166 code
OTA_HotelResRQ / HotelReservations / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / CustLoyalty	0..5	Optional. This path enables the user to pass specific IDs linked to the guest profile
@ProgramID	0..1	The ProgramID attribute can be used to indicate the 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
@Code	0..1	Country expressed in the Standard ISO 3166 codes

Element @Attribute	Num	Description/Contents
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)

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

Element @Attribute	Num	Description/Contents
@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 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

```
<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>
                </Rates>
              </RoomRate>
            </RoomRates>
          </RoomStay>
        </RoomStays>
      </HotelReservation>
    </HotelReservations>
  </OTA_HotelResRQ>
```

```

                                <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>
<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>
            </Address>
          </Customer>
        </Profile>
      </Profiles>
    </ResGuest>
  </ResGuests>
</TPA_Extensions>
</Hotel>
```



```
<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>
      <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"/>
    </CompanyInfo>
  </Profile>
</ProfileInfo>
</ProfileInfo>
```

```
PhoneTechType="3"/>
    <TelephoneInfo FormattedInd="1" DefaultInd="1" PhoneNumber="442081523"
    <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>
```

Remove (cancel) an Add-on Service from existing Reservation Request

Note the use of ReservationStatusType attribute on Service element. A value of "Cancelled" instructs the receiving system to remove the previously booked service.

```
<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="Modify"
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>
```

```
InvBlockCode="XYZGroup" RatePlanType="11">
    <RoomRate RoomTypeCode="PKG1" RatePlanCode="SR" NumberOfUnits="1" RatePlanCategory="S"
    <Rates>
        <Rate UnitMultiplier="1" RateTimeUnit="FullDuration" EffectiveDate="2008-01-12"
        <Base AmountAfterTax="100.00" CurrencyCode="EUR"/>
    </Rate>
    </Rates>
    </RoomRate>
</RoomRates>
<GuestCounts IsPerRoom="1">
    <GuestCount AgeQualifyingCode="10" Count="2"/>
    <!-- code 10 = Adult-->
    <GuestCount AgeQualifyingCode="8" Count="1"/>
    <!-- code 8 = Child-->
</GuestCounts>
<TimeSpan End="2008-01-17" Start="2008-01-12"/>
<Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
    <GuaranteesAccepted>
        <GuaranteeAccepted>
            <PaymentCard CardNumber="4321432143214327" CardType="1" ExpireDate="0607"
            <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"
                <CardHolderName>James Bond</CardHolderName>
            </PaymentCard>
            </AcceptedPayment>
        </AcceptedPayments>
        <AmountPercent Amount="50.00" CurrencyCode="EUR">
        </AmountPercent>
        <Deadline OffsetTimeUnit="Day" OffsetDropTime="BeforeArrival"
    </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>
<Services>
    <Service ServicePricingType="Per use" ServiceInventoryCode="GOLF" Quantity="1"
ReservationStatusType="Cancelled">
        <Price>
            <Total CurrencyCode="USD" AmountAfterTax="68.00" AmountAfterTax="64.00"/>
        </Price>
        <ServiceDetails>
            <GuestCounts IsPerRoom="false">
                <GuestCount AgeQualifyingCode="10" Count="2"/>
            </GuestCounts>
            <TimeSpan End="2008-08-13" Start="2008-08-13"/>
        </ServiceDetails>
    </Service>
</Services>
<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="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>
```

12.2.6 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

Element @Attribute	Num	Description/Contents
@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
@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.

Element @Attribute	Num	Description/Contents
@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

```
<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>
```

12.2.7 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.

Element @Attribute	Num	Description/Contents
@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. 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_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

```
<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="CXIMPW96E" ResID_Source="TrustCRS"/>
      </HotelReservationIDs>
    </ResGlobalInfo>
  </HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

12.2.8 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 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 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.
@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 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_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: <ol style="list-style-type: none"> 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: 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],

Element @Attribute	Num	Description/Contents
@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

```
<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 >
```

12.3 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.

12.3.1 Scope

This usage profile includes a simple reservation read request and response from the holding system.

12.3.2 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) 7 Internet
OTA_ReadRQ / POS / Source / BookingChannel / CompanyName	0..1	The name of the booking source

Element @Attribute	Num	Description/Contents
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.
@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

Element @Attribute	Num	Description/Contents
		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).
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomRates / RoomRate	0..1? 1..n?	
@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

Element @Attribute	Num	Description/Contents
		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_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.
@Age	0..1	Defines the age of a guest.

Element @Attribute	Num	Description/Contents
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
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.

Element @Attribute	Num	Description/Contents
@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
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 /	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
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_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

Element @Attribute	Num	Description/Contents
@OffsetUnitMultiplier	0..1	Used as per OpenTravel Alliance schema
@OffsetDropTime	0..1	Used as per OpenTravel Alliance schema
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / DirectBill	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the direct bill information for the booking
@DirectBillID	0..1	Identifier for the organization to be billed directly for travel services.
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / Voucher	1	Mandatory if an instance of AcceptedPayment is passed and no other sub-element is used. This is the voucher information for the booking
@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

Element @Attribute	Num	Description/Contents
@CurrencyCode	0..1	Currency of the total Amount of Taxes
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / Total / Taxes / Tax	0..99	Optional can be used for Total Pricing
@Type	0..1	The Type attribute is an enumeration to indicate whether the tax is “inclusive”, “exclusive” or cumulative”
@Code	0..1	The Code attribute refers to OpenTravel Alliance list FTT (fee tax type) and is used to indicate the specific tax or fee that is being transferred.
@Amount	0..1	Amount of the specific tax/fee transferred
@CurrencyCode	0..1	Currency for the Amount of the specific tax/fee transferred
OTA_ResRetrieveRS / ReservationsList /HotelReservation / RoomStays / RoomStay / BasicPropertyInfo	1	
@HotelCode	1	This is the property for which the reservations are being transferred.
@ChainCode	0..1	ChainCode indicates the chain to which the property belongs
@BrandCode	0..1	BrandCode indicates the Brand within the Chain to which the property belongs
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.

Element @Attribute	Num	Description/Contents
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.
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 / Services	0..1	A collection of Service objects. This is the collection of all services associated with any part of this reservation (the reservation in its entirety, one or more guests, or one or more room stays). Which services are attributable to which part is determined by each object's ServiceRPHs

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

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

Element @Attribute	Num	Description/Contents
		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 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]
@ShareAllOptOutInd	0..1	When yes, a customer has explicitly opted out of marketing communication. This is used in combination with the ShareAllMarketInd and only one of these attributes should have a value of yes.
@ShareAllMarketInd	0..1	Permission for sharing all data in profile for marketing purposes. A yes value indicates that the customer has chosen to opt-in to marketing communication. This is used in combination with the ShareAllOptOutInd and only one of these attributes should have a value of yes.

Element @Attribute	Num	Description/Contents
OTA_ResRetrieveRS / ReservationsList / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer	1	Customer
@VIP_Indicator	0..1	If true, indicates a very important person.
@Birthdate	0..1	The customer's 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
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	0..1	Optional. This field would be used to pass the guest's suffix.

Element @Attribute	Num	Description/Contents
/HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / Customer / PersonName / NameSuffix		
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. 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

Element @Attribute	Num	Description/Contents
		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 / 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_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	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_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 / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile / CompanyInfo / AddressInfo / StateProv	0..1	This path is used to transmit the details for a Company or Travel agency profile. This element is used to pass the Company or Travel Agency's State
@StateCode	0..1	State expressed in the Standard 2-8 characters code
OTA_ResRetrieveRS / ReservationsList / HotelReservation / ResGuests / ResGuest / Profiles / ProfileInfo / Profile /	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
CompanyInfo / AddressInfo / PostalCode		
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. 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 /	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
CompanyInfo / Email		
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.
@ID	0..1	ID is the actual identifier of this transportation method (e.g., flight number).

12.4 FAQ

12.4.1 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.

12.4.2 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.

12.4.3 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.

12.4.4 Handling of AvailReqType and RatePlanType

The AvailReqType attribute is used in conjunction with the RatePlanType attribute to control the data being returned in the response message. The AvailReqType enumerations are "Room" which will return room related rates or packages, "NonRoom" which will return only those services that are non- room related, and "Both" which will return both. The RatePlanType codes used in this specification are "13" for rate plans, and "11" for Package plans.

For example:

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

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

A request for AvailReqType = "Both" and RatePlanType = "11" will return rooms and rates, and components that may be added to the rate plan.
