

OpenTravel™ Alliance Message Users Guide

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* indicates new for this release

Section 1—Introduction

The OpenTravel Alliance (OTA), which began in May 1999, is a consortium of suppliers in all sectors of the travel industry, including air, car rental, hotel, travel agencies, and tour operators, as well as related companies that provide distribution and technology support to the industry. The OTA now has over 125 members representing influential names in all sectors of the travel industry. The Alliance is comprised of four working groups – air, car, hotel, and non-supplier (travel integration) – together with an interoperability committee to coordinate their efforts.

The OTA defines open messages in eXtensible Markup Language (XML) that make it possible to exchange business data seamlessly among different systems, companies, and industries over the World Wide Web. Companies in the travel industry recognize the importance of information management, both in terms of day-to-day operations and as a strategic tool. The travel industry pioneered online booking and registration systems and, in many respects, sets the expectation level for other industries in terms of responsiveness, reliability, and security of transaction processing. With the coming of the Internet and its ability to link millions of customers and companies in real-time computer communications, customer expectations for online services have increased further, and the travel industry seeks to continue to meet and exceed these expectations. Also, in keeping with the tradition of the Internet, even in its brief history, OTA specifications are open documents and will remain freely available to all industry participants.

OTA specifications provide a framework for companies in the travel industry to create new relationships with customers as well as to create new partnerships with fellow companies in the business. As specifications for the industry, these documents provide a means by which companies can improve their interaction with trading partners as well as their level of service for customers. Lowering the demands for customized interfaces between trading partners will allow companies to concentrate their resources on developing innovative ways to communicate with their customers and provide them with increased levels of service.

Section 2—Getting Started

The OTA Message Specification includes the following components:

OTA Implementation Infrastructure Guidelines

The Implementation Infrastructure Guidelines, last published in the 2001C release as “Infrastructure Specification”, provide information about how to implement the transport and enveloping layers for the purpose of sending and receiving OTA messages between systems. At present only information for the

ebXML Message Service is documented. Definition of the mapping to alternative infrastructure technologies is currently under development.

OTA XML Schema Design Best Practices

The OTA XML Schema Best Practices document describes the standards and best practices to be used in creating the XML Schemas. Typically, this document is used within the OTA to ensure that the creation of XML Schemas is consistent in design across the organization and across releases.

OTA Messages User Guide (This Document)

The User Guide contains a description of each OTA Message with sample use cases and XML instance documents. It provides a high-level overview of message functionality.

OTA Messages Reference Guide

The Reference Guide is an auto-generated set of web pages that allow the display of and navigation through the annotations within the XML Schemas. It provides documentation at the “field-level” detailing the use of individual elements and attributes.

OTA XML Schema Definition files

These files are the formal definition of the specification using the W3C standard for XML Schema Definition (XSD's). They have the file type of *.xsd* and can be downloaded from the OTA website at <http://www.opentravel.org/>. They are organized by “release” where the release name includes the year and a letter denoting its sequence in that year. For example, the first release in 2002 is 2002A, the next 2002B, and so on. The XML Schemas are cumulative and contain all of the messages defined by the OTA. For more information on naming conventions, namespaces and other details about how the messages are constructed, refer to the OTA Implementation Infrastructure Guidelines.

Readme (Release Notes)

The release notes detail the latest information and changes for any given release (i.e. “What’s New”).

Section 3—Generic Messages

Although many messages are specific to a particular travel sub-domain (e.g., Air) other messages are generally applicable and may be used more broadly than in one domain-specific service. This section briefly describes the generic messages that can be used across multiple travel sub-domains.

3.1. OTA_CancelRQ/RS

The OTA Cancel may be used for canceling a previously made reservation. This message cancels the entire reservation, i.e., it may not be used to cancel only part of the itinerary segments in a booking.

A reservation id (PNR locator, confirmation number, etc) is sent to specify which reservation should be cancelled. Additionally, a supplier may require that verification information such as customer name, credit card number, and/or phone number, be sent in order to verify that the correct reservation is being cancelled.

The use of the OPTIONAL <POS> element allows an implementation to determine whether the remote user has permission to cancel the reservation.

In the Cancel Request one of the following actions must be specified:

- Initiate – indicates the initial request to cancel a reservation.
- Ignore – indicates a rollback of the request to cancel, leaving the reservation intact.
- Confirm – indicates a request to complete the cancellation.

The Cancel Response will return one of the following statuses:

- Pending – indicates the initial request to cancel a reservation is pending confirmation to complete the cancel action. Cancel rules may have been returned in the response.
- Ignored – indicates the request to cancel was rolled back, leaving the reservation intact.
- Cancelled – indicates the cancellation is complete. A cancellation ID may be returned along with the response.

The Cancel message provides the option for a two-step process and individual business rules may determine how a system processes the initial cancel request. If there are no penalties involved in the cancellation, the cancel transaction can take place and the response returns the cancellation number along with the status that the reservation has been cancelled.

If the processing system determines that a cancellation policy has been invoked, it may choose to send back the OTA_CancelRS with the Status=*Pending*, accompanied by a collection of cancellation rules, allowing the originating party to determine if the cancellation should proceed. The originating party would then resend the OTA_CancelRQ. A CancelType=*Ignore* would expect a response with the Status *Ignored*, thus ending the message conversation with no action being taken to cancel the reservation.

A CancelType=*Commit* indicates a definitive instruction to process the cancellation. This message would expect the response of Status=*Cancelled*,

along with the return of a Cancellation Id, which would complete the cancellation process. The Cancel RQ is the same message in each case, with the CancelType attribute indicating the action to be taken on the request.

3.1.1. Use Case 1

3.1.1.1. Request: Reservation Cancellation

A customer who had previously made an airline reservation through a travel agent needs to cancel the entire booking. The customer requests that the travel agent cancel the booking. The travel agent sends a cancel message that includes the travel agent system PNR locator and the airline PNR locator to the airline.

OTA_CancelRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_CancelRQ 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_CancelRQ.xsd" EchoToken="892345" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
Version="1.001" SequenceNmbr="1" CancelType="Initiate">
  <POS>
    <Source AgentSine="925832875" PseudoCityCode="ATL" ISOCountry="US" AirlineVendorID="1P">
      <RequestorID Type="5" ID="925832875"/>
      <BookingChannel Type="1" Primary="1"/>
    </Source>
  </POS>
  <UniquelD Type="14" ID="7H39B4">
    <CompanyName CompanyShortName="1P" TravelSector="1"/>
  </UniquelD>
  <UniquelD Type="14" ID="X2A382">
    <CompanyName CompanyShortName="DL" TravelSector="1"/>
  </UniquelD>
</OTA_CancelRQ>
```

3.1.1.2. Response: Reservation Cancellation

A cancellation message is returned confirming that the booking has been cancelled since there were no cancellation penalties.

OTA_CancelRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_CancelRS 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_CancelRS.xsd" EchoToken="892345" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
Version="1.001" SequenceNmbr="1" Status="Cancelled">
  <Success/>
  <UniquelD Type="14" ID="X2A382">
    <CompanyName CompanyShortName="DL" TravelSector="1"/>
  </UniquelD>
  <UniquelD Type="14" ID="7H39B4">
    <CompanyName CompanyShortName="1P" TravelSector="1"/>
  </UniquelD>
</OTA_CancelRS>
```

3.2. OTA_DeleteRQ/RS

The Delete infrastructure action defines an operation that identifies an existing record, and removes the entire record from the database. The use of the Delete action depends upon the business rules of an organization. Alternative strategies, such as mapping a duplicate record to another by use of the UniqueId, may be considered.

The requestor MAY also verify the record before deleting it to ensure the correct record has been identified prior to deleting it. In this case, the use of the *Instance* attribute may be useful in determining whether the record has been updated more recently than the information that is intended to be deleted. That choice, again, would be dictated by good business practices.

Steps in the Delete operation may include:

- Requestor submits a Read request to view the record
- Responder returns the record for the requestor to view
- Requestor submits a Delete request.
- Responder removes the record and returns an acknowledgement

The use of the OPTIONAL <POS> element allows an implementation to determine whether the remote user has permission to delete the object being read.

3.2.1. Use Case 1

3.2.1.1. Request: Customer Profile Delete

A travel agency has a customer who has traveled often in the past. A customer profile was created for the customer many years ago in order to facilitate her bookings. Since the customer primarily traveled on NorthWest Airlines (NW), a profile was also created in the NW system. However, the customer has told the travel agent that she is now too old to travel and won't be making any more trips. Thus, the travel agent wants to delete the customer's profile from the NW system. The travel agent sends a delete request message to NW to delete the customer profile with the identification number of 0507-12345.

OTA_DeleteRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_DeleteRQ 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_DeleteRQ.xsd" EchoToken="183529" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNmbr="1">
  <UniqueId Type="1" ID="0507-12345"/>
  <POS>
    <Source AgentSine="42960012" PseudoCityCode="ATL" ISOCountry="US" AirlineVendorID="1P">
      <RequestorID Type="5" ID="248954"/>
      <BookingChannel Type="1" Primary="1"/>
    </Source>
  </POS>
```

```
</OTA_DeleteRQ>
```

3.2.1.2. Response: Customer Profile Delete

A delete message is returned confirming that the customer profile has been deleted.

OTA_DeleteRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_DeleteRS 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_DeleteRS.xsd" EchoToken="183529" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.001" SequenceNbr="1">
  <Success/>
  <UniqueID Type="1" ID="0507-12345"/>
</OTA_DeleteRS>
```

3.3. OTA_PingRQ/RS

The OTA Ping may be used for testing application connectivity by sending some specific text and determining if the receiving application is able to echo back that same text.

The free-text data that is passed in the request is expected to be echoed back in the response message.

3.3.1. Use Case 1

3.3.1.1. Request: Testing The Application For Connectivity

A client application wishes to determine if the receiving application is in a functioning condition by sending a Ping message and testing the response for the correct echoed data. A test Ping message is sent, using “Are you there” as the test data.

OTA_PingRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PingRQ 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_PingRQ.xsd" TimeStamp="2003-03-17T11:09:47-05:00" Target="Production" Version="1.001"
  SequenceNbr="1">
  <EchoData> Are you there </EchoData>
</OTA_PingRQ>
```

3.3.1.2. Response: Testing The Application For Connectivity

The application indicates that it is in a functioning state by returning the same test data.

OTA_PingRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PingRS 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_PingRS.xsd" TimeStamp="2003-03-17T11:09:49-05:00" Target="Production" Version="1.001"
  SequenceNmbr="1">
  <Success/>
  <EchoData>Are you There</EchoData>
</OTA_PingRS>
```

3.4. OTA_ReadRQ/OTA_ResRetrieveRS

The Read infrastructure action defines an operation that opens an existing record and transmits information contained in that record. The Read operation enables the user to identify a particular record and retrieve its entire contents, to request a reservation when the booking id number is not known, to request a list of reservations for a traveler, and to request a list of travelers that meet specified criteria. In the Read request, it can be specified whether the reservation itself should be returned if an exact match is found or if a list of reservations should be always be returned.

The basic operation has the following steps:

- Requestor queries the database where the record resides by sending a Read request message with the record's unique identifier or with information such as traveler name, date of travel, loyalty number and/or other specified criteria.
- Responder returns the record or a list of reservations to the requestor.

The response to the OTA_ReadRQ will vary based on the type of record(s) requested. The following are examples of the type of records requested and the possible message response:

Airline reservation – OTA_AirBookRS, OTA_ResRetrieveRS
Package reservation – OTA_PkgBookRS, OTA_ResRetrieveRS
Profile – OTA_ProfileReadRS
Hotel reservation – OTA_HotelResRS, OTA_ResRetrieveRS
Rail reservation – OTA_RailRetrieveRS
Loyalty account – OTA_LoyaltyAccountRS
Insurance plan booking – OTA_InsuranceBookRS

If an exact match of the reservation is not found or a list is requested, the OTA_ResRetrieveRS message is returned with a list of reservations with enough additional information to help the requestor determine which reservation they wish to see. The requestor may then send another Read request with the reservation identifier to retrieve a specific reservation.

3.4.1. Use Case 1

3.4.1.1. Request: Retrieve Reservation by Reservation Id

Minnie Mouse made an airline reservation through the electronic service provider BookNow to travel to Disneyland™. She leaves tomorrow and she can't remember her flight number or what time the plane leaves. She sits down at her computer and types in her reservation id and her name and phone number as verification information in order to get a display of her reservation. BookNow uses a global distribution system (GDS) for a booking engine and to house its reservation files so it sends a Read request message to the GDS.

OTA_ReadRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd" EchoToken="5553429" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
Version="1.001" SequenceNbr="1">
  <POS>
    <Source PseudoCityCode="ATL" ISOCountry="US" ERSP_UserID="238940214">
      <RequestorID Type="13" ID="29567">
        <CompanyName CompanyShortName="BookNow"/>
      </RequestorID>
      <BookingChannel Type="7" Primary="1"/>
    </Source>
  </POS>
  <ReadRequests>
    <ReadRequest>
      <UniqueID Type="14" ID="7H39B4">
        <CompanyName CompanyShortName="DL"/>
      </UniqueID>
      <Verification>
        <PersonName>
          <GivenName>Minnie</GivenName>
          <Surname>Mouse</Surname>
        </PersonName>
        <TelephoneInfo PhoneTechType="1" CountryAccessCode="001" AreaCityCode="770"
        PhoneNumber="563-2891" PhoneUseType="3"/>
      </Verification>
    </ReadRequest>
  </ReadRequests>
</OTA_ReadRQ>
```

3.4.1.2. Response: Air Reservation Returned

The reservation for Minnie Mouse is returned.

OTA_AirBookRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" EchoToken="5553429" TimeStamp="2003-03-17T09:30:47-05:03" Target="Production"
Version="2.001" SequenceNbr="1">
  <Success/>
```

```

    <AirReservation BookingReferenceID="7H39B4">
      <Airtinerary>
        <OriginDestinationOptions>
          <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2003-03-18T08:20:00" ArrivalDateTime="2003-03-18T10:07:00" FlightNumber="1975" ResBookDesigCode="M" NumberInParty="1" Status="30">
              <DepartureAirport LocationCode="ATL"/>
              <ArrivalAirport LocationCode="LAX"/>
              <Equipment AirEquipType="763"/>
              <MarketingAirline Code="DL"/>
            </FlightSegment>
          </OriginDestinationOption>
          <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2003-03-25T09:30:00" ArrivalDateTime="2003-03-25T16:41:00" FlightNumber="2074" ResBookDesigCode="M" NumberInParty="1" Status="30">
              <DepartureAirport LocationCode="LAX"/>
              <ArrivalAirport LocationCode="ATL"/>
              <Equipment AirEquipType="757"/>
              <MarketingAirline Code="DL"/>
            </FlightSegment>
          </OriginDestinationOption>
        </OriginDestinationOptions>
      </Airtinerary>
      <TravelerInfo>
        <AirTraveler PassengerTypeCode="ADT">
          <PersonName>
            <GivenName>Minnie</GivenName>
            <Surname>Mouse</Surname>
          </PersonName>
          <Telephone PhoneTechType="1" CountryAccessCode="001" AreaCityCode="770"
            PhoneNumber="563-2891"/>
          <TravelerRefNumber RPH="1"/>
        </AirTraveler>
      </TravelerInfo>
      <BookingReferenceID Type="14" ID="7H39B4">
        <CompanyName Code="DL"/>
      </BookingReferenceID>
    </AirReservation>
  </OTA_AirBookRS>

```

3.4.2. Use Case 2

3.4.2.1. Request: Retrieve Reservation by Passenger Name

A customer has sent a balance payment for a package holiday to the travel agent but has omitted to quote the booking reference. The travel agent can read only the first three letters of the customer's name: 'Smi' and the initial 'J'. The travel agent needs to see the traveler's booking record. The agent sends a retrieval request to the tour operator for all bookings made by this agency departing on 13 October 2004 for passengers whose name begins with 'SMI'.

OTA_ReadRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd" EchoToken="7656" TimeStamp="2003-11-08T21:10:30" Target="Production"
  Version="1.002" SequenceNmbr="3" ReturnListIndicator="true">
  <POS>
    <Source AgentSine="A1234">

```

```

        <RequestorID Type="4" ID="a1234"/>
        <BookingChannel Type="6"/>
    </Source>
</POS>
<ReadRequests>
    <PkgReadRequest Start="2004-10-13">
        <Name>
            <Surname>Smi</Surname>
        </Name>
    </PkgReadRequest>
</ReadRequests>
</OTA_ReadRQ>

```

3.4.2.2. Response: Reservation List Returned

A list is returned of two people whose name begin with ‘SMI’.

OTA_ResRetrieveRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ResRetrieveRS 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_ResRetrieveRS.xsd" EchoToken="7656" TimeStamp="2003-11-08T21:10:30" Target="Production"
  Version="2.000" SequenceNmbr="3">
    <Success/>
    <ReservationsList>
      <PackageReservation TravelCode="GAD20" TourCode="ADABA" Start="2004-10-13"
        Duration="P14D" ReservationStatusCode="1" ReservationStatus="Confirmed" Quantity="2">
        <UniqueID ID="AA12345" Instance="02" Type="6"/>
        <Name>
          <NamePrefix>Mr</NamePrefix>
          <GivenName>J</GivenName>
          <Surname>Smith</Surname>
        </Name>
        <ArrivalLocation LocationCode="PMI">Palma Mallorca</ArrivalLocation>
        <DepartureLocation LocationCode="LGW">London Gatwick</DepartureLocation>
      </PackageReservation>
      <PackageReservation TravelCode="LCB30" TourCode="CBEGA" Start="2004-10-13"
        Duration="P7D" ReservationStatusCode="1" ReservationStatus="Confirmed" Quantity="4">
        <UniqueID ID="BC43567" Instance="02" Type="6"/>
        <Name>
          <NamePrefix>Mrs</NamePrefix>
          <GivenName>M</GivenName>
          <Surname>Smithers</Surname>
        </Name>
        <ArrivalLocation LocationCode="ACE">Arrecife</ArrivalLocation>
        <DepartureLocation LocationCode="LTN">Luton</DepartureLocation>
      </PackageReservation>
    </ReservationsList>
  </OTA_ResRetrieveRS>

```

3.4.3. Use Case 3

3.4.3.1. Request: Read Reservation

Brandon Wilson travels to Washington D.C. often during the year and he always stays at the Marriott Hotel in Tysons Corner, VA. He makes a number of his reservations at one time. He will be staying at the Marriott in December and

can't remember if he has made a reservation for this stay. Brandon, via the Marriott internet site, requests to see his reservation for December.

OTA_ReadRQ3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd" EchoToken="3229853" TimeStamp="2003-11-10T10:34:00" Target="Production"
Version="1.002" SequenceNmbr="1" PrimaryLangID="en-us" ReturnListIndicator="0">
  <ReadRequests>
    <HotelReadRequest ChainName="Marriott">
      <CityName>Tysons Corner</CityName>
      <Airport LocationCode="IAD"/>
      <UserID Type="1" ID="421329" PinNumber="1207">
        <CompanyName CompanyShortName="Marriott"/>
      </UserID>
      <Verification>
        <PersonName>
          <GivenName>Brandon</GivenName>
          <Surname>Wilson</Surname>
        </PersonName>
        <ReservationTimeSpan Start="2003-12-01" End="2003-12-31"/>
      </Verification>
    </HotelReadRequest>
  </ReadRequests>
</OTA_ReadRQ>
```

3.4.3.2. Response: Reservation List Returned

Since Brandon has not made a reservation for December, an exact match cannot be found for his request. The responder returns a list of all the reservations that it has for Brandon.

OTA_ResRetrieveRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ResRetrieveRS 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_ResRetrieveRS.xsd" EchoToken="3229853" TimeStamp="2003-11-01T10:34:30" Target="Production"
Version="2.000" SequenceNmbr="1" PrimaryLangID="en-us">
  <Success/>
  <ReservationsList>
    <HotelReservation>
      <RoomStays>
        <RoomStay>
          <GuestCounts>
            <GuestCount Count="1"/>
          </GuestCounts>
          <TimeSpan Start="2003-11-23" End="2003-11-26"/>
          <BasicPropertyInfo ChainCode="MA" HotelCode="WASTC" HotelName="Marriott Tysons
Corner">
            <Address>
              <CityName>Tysons Corner</CityName>
            </Address>
          </BasicPropertyInfo>
        </RoomStay>
      </RoomStays>
      <ResGuests>
```

```

    <ResGuest>
      <Profiles>
        <ProfileInfo>
          <Profile>
            <Customer>
              <PersonName>
                <GivenName>Brandon</GivenName>
                <Surname>Wilson</Surname>
              </PersonName>
            </Customer>
          </Profile>
        </ProfileInfo>
      </Profiles>
    </ResGuest>
  </ResGuests>
  <ResGlobalInfo>
    <HotelReservationIDs>
      <HotelReservationID ResID_Type="10" ResID_Value="83428984"/>
    </HotelReservationIDs>
  </ResGlobalInfo>
</HotelReservation>
<HotelReservation>
  <RoomStays>
    <RoomStay>
      <GuestCounts>
        <GuestCount Count="1"/>
      </GuestCounts>
      <TimeSpan Start="2004-01-06" End="2004-01-10"/>
      <BasicPropertyInfo ChainCode="MA" HotelCode="WASTC" HotelName="Marriott Tysons
Corner">
        <Address>
          <CityName>Tysons Corner</CityName>
        </Address>
      </BasicPropertyInfo>
    </RoomStay>
  </RoomStays>
</ResGuests>
  <ResGuest>
    <Profiles>
      <ProfileInfo>
        <Profile>
          <Customer>
            <PersonName>
              <GivenName>Brandon</GivenName>
              <Surname>Wilson</Surname>
            </PersonName>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>
  <ResGlobalInfo>
    <HotelReservationIDs>
      <HotelReservationID ResID_Type="10" ResID_Value="80422743"/>
    </HotelReservationIDs>
  </ResGlobalInfo>
</HotelReservation>
</ReservationsList>
</OTA_ResRetrieveRS>

```

3.4.4. Use Case 4

3.4.4.1. Request: Retrieve Reservation by Frequent Flier Number

Paul Adams has booked an airline reservation through a travel agent. He needs to change his return flight so he calls his travel agent to make this change. Paul cannot remember his reservation id and cannot remember if he is departing on December 3rd or 4th. He gives his airline frequent flier number to the travel agent.

The travel agent sends a request to the airline with Paul's frequent flier number requesting that they return a list of all of the reservations that they have made for Paul.

OTA_ReadRQ4.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd" EchoToken="42348" TimeStamp="2003-12-17T09:30:47" Target="Production"
  Version="1.002" SequenceNmbr="1" PrimaryLangID="en-us" ReservationType="1">
  <ReadRequests>
    <AirReadRequest>
      <POS>
        <Source AgentSine="2342" PseudoCityCode="ATL" ISOCountry="US">
          <RequestorID Type="5" ID="12345678" ID_Context="IATA"/>
          <BookingChannel Type="5" Primary="1">
            <CompanyName Code="1P" CodeContext="IATA"/>
          </BookingChannel>
        </Source>
      </POS>
      <Name>
        <GivenName>Paul</GivenName>
        <Surname>Adams</Surname>
      </Name>
      <CustLoyalty ProgramID="DL" MembershipID="22A3896B2"/>
    </AirReadRequest>
  </ReadRequests>
</OTA_ReadRQ>
```

3.4.4.2. Response: Reservation List Returned

The airline finds four reservations that were booked by the requesting travel agent for the requested frequent flier number. The list that is returned includes the reservation id, departure date, departure city and flight number for each reservation. Thus, the travel agent will be able to determine which reservation to request with a follow-up OTA_ReadRQ that includes the reservation id.

OTA_ResRetrieveRS3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ResRetrieveRS 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_ResRetrieveRS.xsd" EchoToken="42348" TimeStamp="2003-12-17T09:30:49" Target="Production"
  Version="2.000" SequenceNmbr="1" PrimaryLangID="en-us">
  <Success/>
```

```

<ReservationsList>
  <AirReservation BookingReferenceID="64H32X" DateBooked="2003-10-25T10:30:00">
    <FlightSegment DepartureDateTime="2003-11-13T09:00:00" ArrivalDateTime="2003-11-
13T10:41:00" FlightNumber="1975">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="LAX"/>
      <MarketingAirline Code="DL"/>
    </FlightSegment>
  </AirReservation>
  <AirReservation BookingReferenceID="9E20KM" DateBooked="2003-11-01T08:30:00">
    <FlightSegment DepartureDateTime="2003-11-22T10:07:00" ArrivalDateTime="2003-11-
22T11:16:00" FlightNumber="1133">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="GSO"/>
      <MarketingAirline Code="DL"/>
    </FlightSegment>
  </AirReservation>
  <AirReservation BookingReferenceID="452L38" DateBooked="2003-11-14T20:30:00">
    <FlightSegment DepartureDateTime="2003-12-03T18:10:00" ArrivalDateTime="2003-12-
04T06:55:00" FlightNumber="12">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="LGW"/>
      <MarketingAirline Code="DL"/>
    </FlightSegment>
  </AirReservation>
  <AirReservation BookingReferenceID="85U36X" DateBooked="2003-11-25T13:02:00">
    <FlightSegment DepartureDateTime="2003-12-24T19:10:00" ArrivalDateTime="2003-12-
24T21:29:00" FlightNumber="197">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="SEA"/>
      <MarketingAirline Code="DL"/>
    </FlightSegment>
  </AirReservation>
</ReservationsList>
</OTA_ResRetrieveRS>

```

3.4.5. Use Case 5

3.4.5.1. Request: Retrieve List of Passengers

An airline has an irregular operation on flight 215 on November 12 and the flight departure will be delayed by 4 hours. The airline wants to make sure that all of their top-level frequent fliers are notified of this delay. The airline queries their system requesting a list of passengers on flight 215 on November 12 that are top-level frequent fliers.

OTA_ReadRQ5.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd" EchoToken="34289" TimeStamp="2003-11-12T06:30:47" Target="Production"
Version="1.002" SequenceNmbr="1" PrimaryLangID="en-us" ReservationType="1" ReturnListIndicator="1">
  <ReadRequests>
    <AirReadRequest IncludeFF_EquivPartnerLev="1" FF_RequestCriteria="ReturnLevelAndAbove">
      <POS>
        <Source PseudoCityCode="ATL" AgentDutyCode="SU">
          <RequestorID Type="6" ID="712639"/>
        </Source>
      </POS>
    </AirReadRequest>
  </ReadRequests>
</OTA_ReadRQ>

```



```

        <FlightNumber>212</FlightNumber>
        <DepartureAirport LocationCode="LAX"/>
        <DepartureDate>2003-11-12</DepartureDate>
        <CustLoyalty LoyallLevel="Gold"/>
    </AirReadRequest>
</ReadRequests>
</OTA_ReadRQ>

```

3.4.5.2. Response: List of Passengers Returned

A list of all passengers matching the input criteria is returned along with each passenger's booking reference id.

OTA_ResRetrieveRS4.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ResRetrieveRS 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_ResRetrieveRS.xsd" EchoToken="34289" TimeStamp="2003-11-12T06:30:48" Target="Production"
  Version="2.000" SequenceNmbr="1" PrimaryLangID="en-us">
  <Success/>
  <ReservationsList>
    <AirReservation BookingReferenceID="4809H1">
      <TravelerName>
        <GivenName>William</GivenName>
        <Surname>Apple</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="96TB20">
      <TravelerName>
        <GivenName>M</GivenName>
        <Surname>Grape</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="219J09">
      <TravelerName>
        <GivenName>Susan</GivenName>
        <Surname>Banana</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="631R59">
      <TravelerName>
        <GivenName>John</GivenName>
        <Surname>Tomato</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="C84Q20">
      <TravelerName>
        <GivenName>Steven</GivenName>
        <Surname>Crabapple</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="052D37">
      <TravelerName>
        <GivenName>Betty</GivenName>
        <Surname>Orange</Surname>
      </TravelerName>
    </AirReservation>
    <AirReservation BookingReferenceID="7Y30P1">
      <TravelerName>
        <GivenName>Jonathan</GivenName>
        <Surname>Lettuce</Surname>
      </TravelerName>
    </AirReservation>
  </ReservationsList>
</OTA_ResRetrieveRS>

```

```

        </TravelerName>
    </AirReservation>
</ReservationsList>
</OTA_ResRetrieveRS>

```

3.5. OTA_ScreenTextRQ/RS

This message may be used to request information in a free text type of response using a terminal message input. It will allow users who do not have fully developed XML capabilities to send and receive XML messages and/or to request information for which there is no OTA message functionality developed.

3.5.1. Use Case 1*

3.5.1.1. Request: Requesting a currency conversion

ABC Travel uses the Worldspan system for their bookings. However, they need to find the currency conversion for the Hong Kong dollar. There are currently no OTA messages for this functionality. Using the OTA_ScreenTextRQ, ABC sends Worldspan the appropriate system input to request the currency conversion.

OTA_ScreenTextRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ScreenTextRQ 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_ScreenTextRQ.xsd"
  EchoToken="4598234" TimeStamp="2005-05-17T09:30:47-05:00" Target="Production" Version="1.000"
  TransactionIdentifier="384763" SequenceNمبر="1">
  <ScreenEntry>4C*HONGKONG</ScreenEntry>
</OTA_ScreenTextRQ>

```

3.5.1.2. Response: The currency conversion is returned

The currency exchange for the Hong Kong dollar is returned.

OTA_ScreenTextRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ScreenTextRS 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_ScreenTextRS.xsd"
  EchoToken="4598234" TimeStamp="2005-05-17T09:30:47-05:00" Target="Production" Version="1.000"
  TransactionIdentifier="384763" SequenceNمبر="1">
  <Success/>
  <TextScreens>
    <TextScreen ScreenSequenceNum="1">
      <TextData>HONGKONG HK DOLLAR HKD</TextData>
      <TextData>US EXCH RATE .128300 27APR2005</TextData>
    </TextScreen>
  </TextScreens>
</OTA_ScreenTextRS>

```

3.6. OTA_UpdateRQ/RS

The Update infrastructure action defines an operation that opens an existing record, identifies the information that needs changing, then transmits data corresponding to the appropriate elements in the tree, and adds or replaces that data in the record.

Because Update operations are more complex and can affect parts of the record rather than the entire record, handling update messages generally can be more difficult. As a result, two approaches to updating records are defined in this specification.

The goals considered in the design of the Update operation include:

- Minimizing the size of a payload on the wire to represent an update transaction
- Defining an explicit representation about what has changed
- Defining a representation with a clear and simple conceptual model
- Creating a representation that is content-independent and general-purpose in nature so as to be reusable throughout future OTA specifications
- Providing a simple-to-implement "replace" option to allow developers to get simpler implementations running quickly - at the expense of the first 2 goals (representation of change and size of message) above

Because data to be modified may be stored in a database and not in an XML document format, it may not be possible to reconstruct the original document that transmitted the data. Therefore, it is recommended that implementations utilizing the partial update process perform a Read request to obtain the structure of the XML tree prior to constructing an Update request.

3.6.1. Use Case 1

3.6.1.1. Request: Updating a Customer Profile

Ms. Sims works in the corporate travel office of XYZ Company. One of her responsibilities is to maintain, in Worldspan's system, the profiles of the XYZ employees who travel on business. One of the employees no longer uses a PO Box and his zip code has changed. Ms. Sims needs to get this information changed in his customer profile. Ms. Sims sends an update message to Worldspan requesting that the PO Box for the customer profile with the identification number of 0507-23456 be deleted and that the zip code be updated.

OTA_UpdateRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_UpdateRQ 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_UpdateRQ.xsd" EchoToken="183529" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNbr="1">
```

```

<UniquelD Type="21" ID="0507-23456"/>
<POS>
  <Source>
    <RequestorID Type="3" ID="349652">
      <CompanyName CompanyShortName="Worldspan"/>
    </RequestorID>
  </Source>
</POS>
<Position XPath="/Profile/Customer/Address/StreetNmbr">
  <Attribute Operation="delete" Name="PO_Box"/>
</Position>
<Position XPath="/Profile/Customer/Address/PostalCode">
  <Element Operation="insert" Child="30067"/>
</Position>
</OTA_UpdateRQ>

```

3.6.1.2. Response: Confirm Success of Update

An update message is returned confirming that the customer profile has been updated.

OTA_UpdateRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_UpdateRS 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_UpdateRS.xsd" EchoToken="183529" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.001" SequenceNmbr="1">
  <Success/>
  <UniquelD Type="21" ID="0507-23456"/>
  <TPA_Extensions/>
</OTA_UpdateRS>

```

Section 4—Air Messages

4.1. OTA_AirAvailRQ/RS

This specification addresses the structure and elements of requests and responses for airline flight availability and point of sale information. The Availability Request message requests flight availability for a city pair on a specific date for a specific number and type of passengers. The request can also be narrowed to request availability for a specific airline, flight or booking class on a flight, all for a specific date. Optional request information can include:

- Time / Time Window
- Connecting cities
- Client Preferences (airlines, cabin, flight types etc.)

The Availability Response message contains flight availability for a city pair on a specific date. A set of origin and destination options is returned, each of which contains one or more (connecting) flights that serve the city pair. For each flight the following information is returned:

- Origin and destination airports
- Departure and arrival date/times
- Booking Class availability
- Equipment
- Meal Information
- Codeshare information.

4.1.1. Use Case 1

4.1.1.1. Request: Air Availability

Bob is planning a trip for his wife and child to fly from London to Los Angeles. He would like to depart on August 13 and prefers a non-stop flight, but if he has to make a stopover, he prefers that there be a maximum of one stopover. He also would like to fly on a 757 and have his tickets mailed to him. He wants to fly economy class. Bob requests availability on flights from London to Los Angeles on August 13.

OTA_AirAvailRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirAvailRQ 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_AirAvailRQ.xsd" EchoToken="12345" TimeStamp="2003-07-17T09:30:47-05:00" Target="Production"
Version="2.001" SequenceNmbr="1" PrimaryLangID="en-us" MaxResponses="10" DirectFlightsOnly="false">
```

```

<POS>
  <Source AgentSine="BSIA1234PM" PseudoCityCode="2U8" ISOCountry="US" ISOCurrency="USD">
    <RequestorID URL="http://www.//provider1.org" Type="5" ID="12345">
  </RequestorID>
  </Source>
</POS>
<OriginDestinationInformation>
  <DepartureDateTime>2003-08-13</DepartureDateTime>
  <OriginLocation LocationCode="LHR"/>
  <DestinationLocation LocationCode="LAX"/>
</OriginDestinationInformation>
<TravelPreferences SmokingAllowed="false" MaxStopsQuantity="1">
  <FlightTypePref PreferLevel="Preferred" FlightType="Nonstop"/>
  <EquipPref AirEquipType="757"/>
  <CabinPref PreferLevel="Preferred" Cabin="Economy"/>
  <TicketDistribPref PreferLevel="Only" DistribType="3"/>
</TravelPreferences>
<TravelerInfoSummary>
  <AirTravelerAvail>
    <PassengerTypeQuantity Code="ADT" Quantity="2"/>
    <PassengerTypeQuantity Code="CNN" Quantity="1"/>
  </AirTravelerAvail>
</TravelerInfoSummary>
</OTA_AirAvailRQ>

```

4.1.1.2. Response: Available Flights Returned

Bob receives information on two possibilities, one a non-stop flight and the other a connecting flight through New York. Along with providing information on the availability of the different booking classes, the response gives him meal information, equipment type, on time percentage and other helpful information.

OTA_AirAvailRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirAvailRS 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_AirAvailRS.xsd"
  EchoToken="12354" TimeStamp="2003-07-17T09:30:47-05:00" Target="Production" Version="1.002"
  SequenceNbr="1">
  <Success/>
  <OriginDestinationOptions>
    <OriginDestinationOption>
      <FlightSegment DepartureDateTime="2003-08-13T10:30:00" ArrivalDateTime="2003-08-13T11:14:00" StopQuantity="0" FlightNumber="212" JourneyDuration="P0Y0M0DT12H30M"
        SmokingAllowed="false" OnTimeRate="90" Ticket="Paper">
        <DepartureAirport LocationCode="LHR"/>
        <ArrivalAirport LocationCode="LAX"/>
        <Equipment AirEquipType="744" ChangeofGauge="false"/>
        <MarketingAirline CompanyShortName="BA"/>
        <MarketingCabin CabinType="First" RPH="1">
          <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Business" RPH="2">
          <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Economy" RPH="3">
          <Meal MealCode="L"/>
        </MarketingCabin>
        <BookingClassAvail ResBookDesigCode="F" ResBookDesigQuantity="5" RPH="1"/>
        <BookingClassAvail ResBookDesigCode="C" ResBookDesigQuantity="8" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="J" ResBookDesigQuantity="3" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="Q" ResBookDesigQuantity="9" RPH="3"/>
      </FlightSegment>
    </OriginDestinationOption>
  </OriginDestinationOptions>
</OTA_AirAvailRS>

```

```

        <BookingClassAvail ResBookDesigCode="V" ResBookDesigQuantity="5" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="N" ResBookDesigQuantity="3" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="Y" ResBookDesigQuantity="3" RPH="3"/>
    </FlightSegment>
</OriginDestinationOption>
<OriginDestinationOption>
    <FlightSegment DepartureDateTime="2003-08-13T10:20:00" ArrivalDateTime="2003-08-
13T11:13:00" StopQuantity="0" FlightNumber="112" JourneyDuration="P0Y0M0DT12H33M"
SmokingAllowed="false" OnTimeRate="90" Ticket="Paper">
        <DepartureAirport LocationCode="LHR"/>
        <ArrivalAirport LocationCode="LAX"/>
        <Equipment AirEquipType="777" ChangeofGauge="false"/>
        <MarketingAirline CompanyShortName="UA"/>
        <MarketingCabin CabinType="First" RPH="1">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Business" RPH="2">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Economy" RPH="3">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <BookingClassAvail ResBookDesigCode="F" ResBookDesigQuantity="7" RPH="1"/>
        <BookingClassAvail ResBookDesigCode="C" ResBookDesigQuantity="7" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="J" ResBookDesigQuantity="3" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="Q" ResBookDesigQuantity="9" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="V" ResBookDesigQuantity="6" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="N" ResBookDesigQuantity="4" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="Y" ResBookDesigQuantity="4" RPH="3"/>
    </FlightSegment>
</OriginDestinationOption>
<OriginDestinationOption>
    <FlightSegment DepartureDateTime="2003-08-13T09:30:00" ArrivalDateTime="2003-08-
13T11:35:00" StopQuantity="0" FlightNumber="22" JourneyDuration="P0Y0M0DT6H30M"
SmokingAllowed="false" OnTimeRate="90" Ticket="Paper">
        <DepartureAirport LocationCode="LHR"/>
        <ArrivalAirport LocationCode="JFK"/>
        <Equipment AirEquipType="767" ChangeofGauge="false"/>
        <MarketingAirline CompanyShortName="BA"/>
        <MarketingCabin CabinType="First" RPH="1">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Business" RPH="2">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <MarketingCabin CabinType="Economy" RPH="3">
            <Meal MealCode="L"/>
        </MarketingCabin>
        <BookingClassAvail ResBookDesigCode="F" ResBookDesigQuantity="4" RPH="1"/>
        <BookingClassAvail ResBookDesigCode="C" ResBookDesigQuantity="8" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="J" ResBookDesigQuantity="3" RPH="2"/>
        <BookingClassAvail ResBookDesigCode="Q" ResBookDesigQuantity="9" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="V" ResBookDesigQuantity="7" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="N" ResBookDesigQuantity="7" RPH="3"/>
        <BookingClassAvail ResBookDesigCode="Y" ResBookDesigQuantity="6" RPH="3"/>
    </FlightSegment>
    <FlightSegment DepartureDateTime="2003-08-13T14:00:00" ArrivalDateTime="2003-08-
13T16:35:00" StopQuantity="0" FlightNumber="4632" JourneyDuration="P0Y0M0DT4H30M"
SmokingAllowed="false" OnTimeRate="90" Ticket="Paper">
        <DepartureAirport LocationCode="JFK"/>
        <ArrivalAirport LocationCode="LAX"/>
        <OperatingAirline Code="US"/>
        <Equipment AirEquipType="744" ChangeofGauge="false"/>
        <MarketingAirline CompanyShortName="BA"/>
        <MarketingCabin CabinType="Business" RPH="1">
            <Meal MealCode="L"/>
        </MarketingCabin>
    </FlightSegment>

```

```

</MarketingCabin>
<MarketingCabin CabinType="Economy" RPH="2">
  <Meal MealCode="S"/>
</MarketingCabin>
<BookingClassAvail ResBookDesigCode="C" ResBookDesigQuantity="4" RPH="2"/>
<BookingClassAvail ResBookDesigCode="J" ResBookDesigQuantity="6" RPH="2"/>
<BookingClassAvail ResBookDesigCode="Q" ResBookDesigQuantity="1" RPH="3"/>
<BookingClassAvail ResBookDesigCode="V" ResBookDesigQuantity="8" RPH="3"/>
<BookingClassAvail ResBookDesigCode="N" ResBookDesigQuantity="6" RPH="3"/>
<BookingClassAvail ResBookDesigCode="Y" ResBookDesigQuantity="6" RPH="3"/>
</FlightSegment>
</OriginDestinationOption>
</OriginDestinationOptions>
</OTA_AirAvailRS>

```

4.2. OTA_AirBookRQ/RS

The Book Request message requests to book a specific itinerary for one or more identified passengers. The message contains optional pricing information, allowing the booking class availability and pricing to be rechecked as part of the booking process.

Optional request information can include:

- Seat and meal requests
- Special Service Requests (SSR), Other Service Information (OSI), Remarks
- Fulfillment information—payment, delivery details, type of ticket desired

If the booking was successful, the Book Response message contains the itinerary (including the directional indicator, status of the booking, and number of passengers), passenger and pricing information sent in the request, along with a booking reference number (PNR Locator) and ticketing information.

4.2.1. Use Case 1

4.2.1.1. Request: Air Book

John Smith wants to fly from Washington D.C. to San Diego on American Airlines flight 150 on December 12 and return on flight 151 on December 14. He wants to book in Q class and also would like to be assigned seat 14C. He will need wheelchair assistance on the flight to San Diego and wants his ticket to be an e-ticket. John's travel agent makes a request on his behalf to book the two flights.

OTA_AirBookRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRQ 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_AirBookRQ.xsd"
  EchoToken="456789" TimeStamp="2003-08-17T09:30:47-05:00" Target="Production" Version="2.001"
  SequenceNmbr="1" PrimaryLangID="en-us">
  <POS>
    <Source AgentSine="BSIA1234PM/GS" PseudoCityCode="DFW" ISOCountry="US"
      ISOCurrency="USD" AirlineVendorID="AA" AirportCode="IAD">

```



```

        <RequestorID URL="http://provider1.org/OTAEngine" Type="14" ID="0507G4325"/>
        <BookingChannel Type="1" Primary="1"/>
    </Source>
</POS>
<Airtinerary>
    <OriginDestinationOptions>
        <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2003-12-12T09:00:00" FlightNumber="150"
ResBookDesigCode="Q" NumberInParty="1" Status="30">
                <DepartureAirport LocationCode="IAD"/>
                <ArrivalAirport LocationCode="SAN"/>
                <MarketingAirline Code="AA"/>
            </FlightSegment>
            <FlightSegment DepartureDateTime="2003-12-14T12:40:00" FlightNumber="151"
ResBookDesigCode="Q" NumberInParty="1" Status="30">
                <DepartureAirport LocationCode="SAN"/>
                <ArrivalAirport LocationCode="IAD"/>
                <MarketingAirline Code="AA"/>
            </FlightSegment>
        </OriginDestinationOption>
    </OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
        <ProfileRef>
            <UniqueID URL="http://www.usda.gov" Type="21" Instance="1999-02- 28T09:13:53"
ID="ID12345"/>
        </ProfileRef>
        <PersonName>
            <NamePrefix>Mr</NamePrefix>
            <GivenName>John</GivenName>
            <Surname>Smith</Surname>
            <NameTitle>M.D.</NameTitle>
        </PersonName>
        <Telephone AreaCityCode="703" PhoneNumber="555-5555"/>
        <Email EmailType="1">johnsmith@home.com </Email>
        <Address>
            <AddressLine>12 Main Street</AddressLine>
            <CityName>Dallas</CityName>
            <PostalCode>75000</PostalCode>
            <StateProv StateCode="TX"/>
            <CountryName Code="US"/>
        </Address>
        <CustLoyalty ProgramID="AA" MembershipID="Q56GTF"/>
        <Document DocIssueAuthority="US Passport Office" DocIssueLocation="Dallas"
DocID="T056736" DocType="2" Gender="Male" BirthDate="1967-08-13" EffectiveDate="1997-08-13"
ExpireDate="2007-08-13">
            <DocHolderName>John Smith</DocHolderName>
        </Document>
        <TravelerRefNumber/>
    </AirTraveler>
</SpecialReqDetails>
    <SeatRequests>
        <SeatRequest SeatNumber="14C" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="1">
        </SeatRequest>
    </SeatRequests>
    <SpecialServiceRequests>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="1">
        </SpecialServiceRequest>
    </SpecialServiceRequests>
</SpecialReqDetails>
</TravelerInfo>
<Ticketing TicketType="eTicket"/>

```

</OTA_AirBookRQ>

4.2.1.2. Response: Air Book Confirmation

The travel agent receives a response that echoes back the information sent in the request and also returns the American Airline booking reference and a date by which time the booking must be ticketed.

OTA_AirBookRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd"
EchoToken="456789" TimeStamp="2003-08-17T09:30:47-05:00" Target="Production" Version="2.001"
SequenceNbr="1" PrimaryLangID="en-us">
  <Success/>
  <AirReservation>
    <Airtinerary DirectionInd="Circle">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2003-12-12T09:00:00" ArrivalDateTime="2003-12-
12T14:35:00" RPH="1" FlightNumber="150" ResBookDesigCode="Q" NumberInParty="1" Status="30">
            <DepartureAirport LocationCode="IAD"/>
            <ArrivalAirport LocationCode="SAN"/>
            <Equipment AirEquipType="767"/>
            <MarketingAirline Code="AA"/>
          </FlightSegment>
        </OriginDestinationOption>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2003-12-14T12:40:00" ArrivalDateTime="2003-12-
14T14:35:00" RPH="2" FlightNumber="151" ResBookDesigCode="Q" NumberInParty="1" Status="30">
            <DepartureAirport LocationCode="SAN"/>
            <ArrivalAirport LocationCode="IAD"/>
            <Equipment AirEquipType="767"/>
            <MarketingAirline Code="AA"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <ProfileRef>
          <UniqueID URL="http://www.usda.gov" Type="21" Instance="1999-02- 28T09:13:53"
ID="ID12345"/>
        </ProfileRef>
        <PersonName>
          <NamePrefix>Mr</NamePrefix>
          <GivenName>John</GivenName>
          <Surname>Smith</Surname>
          <NameTitle>M.D.</NameTitle>
        </PersonName>
        <Telephone AreaCityCode="703" PhoneNumber="555-5555"/>
        <Email EmailType="1">johnsmith@home.com </Email>
        <Address>
          <AddressLine>12 Main Street</AddressLine>
          <CityName>Dallas</CityName>
          <PostalCode>75000</PostalCode>
          <StateProv StateCode="TX"/>
          <CountryName Code="US"/>
        </Address>
        <CustLoyalty ProgramID="AA" MembershipID="Q56GTF"/>
      </AirTraveler>
    </TravelerInfo>
  </AirReservation>
</OTA_AirBookRS>
```

```

        <Document DocIssueAuthority="US Passport Office" DocIssueLocation="Dallas"
DocID="T056736" DocType="2" Gender="Male" BirthDate="1967-08-13" EffectiveDate="1997-08-13"
ExpireDate="2007-08-13">
        <DocHolderName>John Smith</DocHolderName>
        </Document>
        <TravelerRefNumber/>
    </AirTraveler>
    <SpecialReqDetails>
        <SeatRequests>
            <SeatRequest SeatNumber="14C" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="1">
            </SeatRequest>
        </SeatRequests>
        <SpecialServiceRequests>
            <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="1">
            <Airline> CompanyShortName="AA"</Airline>
            </SpecialServiceRequest>
        </SpecialServiceRequests>
    </SpecialReqDetails>
</TravelerInfo>
    <Ticketing TicketType="eTicket" TicketTimeLimit="2003-09-10T00:00:00"/>
</AirReservation>
</OTA_AirBookRS>

```

4.3. OTA_AirFareDisplayRQ/RS

The Fare Display Request message allows a client to request information on fares which exist between a city pair for a particular date or date range. No Inventory check for available seats on flights is performed by the server before returning the Fare Display Response message. The request can optionally contain information indicating that a more specific response is required. This information can include passenger information, specific flight information and information on the types of fares that the client is interested in.

The response to the OTA_AirFareDisplayRQ message is the OTA_AirFareDisplayRS message. This message contains repeating FareDisplayInfo elements, each of which contains information on a specific fare contract including Airline, Travel Dates, Restrictions and Pricing. It also can optionally return information on other types of fares that exist, but have not been included in this response.

4.3.1. Use Case 1*

4.3.1.1. Request: Adult Passenger

The user request for the OTA-AirFareDisplayRQ message contains a fare display from Zurich (ZRH) to London (LON) in business class (C) for the departure date 20 March 2005 and ticketing date 15 March 2005. The fare sort option shall be from lowest to highest fare for an adult passenger.

OTA_AirFareDisplayRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFareDisplayRQ 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_AirFareDisplayRQ.xsd"
  Timestamp="2005-05-17T09:30:47" Target="Production" Version="1.000" SequenceNmbr="1"
  TransactionStatusCode="Start" PrimaryLangID="en-us" DirectFlightsOnly="false" AvailableFlightsOnly="false"
  DisplayOrder="ByPriceLowToHigh">
  <POS>
    <Source AgentSine="XY" PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF"
      AgentDutyCode="XY" AirlineVendorID="YY" AirportCode="ZRH" TerminalID="XYZ123">
      <RequestorID Type="13" ID="81412345"/>
      <BookingChannel Type="11" Primary="false"/>
    </Source>
  </POS>
  <OriginDestinationInformation>
    <DepartureDateTime>2005-03-20</DepartureDateTime>
    <OriginLocation LocationCode="ZRH">Zurich</OriginLocation>
    <DestinationLocation LocationCode="LON">London</DestinationLocation>
  </OriginDestinationInformation>
  <TravelPreferences>
    <VendorPref >LX</VendorPref>
    <TicketDistribPref FirstTicketDate="2005-03-15T00:00:00"/>
    <FareApplicationTypePref FareApplicationType="OneWay"/>
    <BookingClassPref ResBookDesigCode="C"/>
    <PricingPrefs IncludeTaxInd="false" IncludeServiceFeesInd="false"/>
  </TravelPreferences>
</OTA_AirFareDisplayRQ>
```

4.3.1.2. Response: Adult Passenger

The OTA_AirFareDisplayRS message contains three fares applicable for the city pair Zurich-London. The first two fares are applicable on all carriers operating the route (YY-fares) on a maximum permitted mileage base, whereas the third is a carrier specific fare applicable on LX only with a validity of 12 months on a specific routing base.

OTA_AirFareDisplayRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFareDisplayRS 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_AirFareDisplayRS.xsd"
  Timestamp="2005-05-17T09:30:50" Target="Production" Version="1.000" SequenceNmbr="1"
  TransactionStatusCode="Start" PrimaryLangID="en-us">
  <Success/>
  <FareDisplayInfos>
    <FareDisplayInfo FareRPH="1" NotAvailableForFareQuotation="false"
      FareApplicationType="OneWay" ResBookDesigCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:20:00"
      FareIndication="public" FareStatus="published">
      <TravelDates DepartureDate="2005-03-05"></TravelDates>
      <FareReference>COW</FareReference>
      <RuleInfo/>
      <FilingAirline CompanyShortName="Swiss" Code="LX"/>
      <MarketingAirline Code="YY"/>
      <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
      <ArrivalLocation LocationCode="LON">London</ArrivalLocation>
      <Restrictions>
        <Restriction>
          <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="579"/>
        </Restriction>
      </Restrictions>
    </FareDisplayInfo>
  </FareDisplayInfos>
```

```

        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="C" PassengerTypeCode="ADT">
            <BaseFare Amount="110800" CurrencyCode="CHF" DecimalPlaces="2"/>
        </PricingInfo>
    </FareDisplayInfo>
    <FareDisplayInfo FareRPH="2" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesigCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:20:00"
FareIndication="public" FareStatus="published">
        <TravelDates DepartureDate="2005-03-05"></TravelDates>
        <FareReference>CRT</FareReference>
        <RuleInfo>
            <FilingAirline CompanyShortName="Swiss" Code="LX"/>
            <MarketingAirline Code="YY"/>
            <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
            <ArrivalLocation LocationCode="LON">London</ArrivalLocation>
            <Restrictions>
                <Restriction>
                    <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="579"/>
                </Restriction>
            </Restrictions>
        </FareDisplayInfo>
        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="C" PassengerTypeCode="ADT">
            <BaseFare Amount="188500" CurrencyCode="CHF" DecimalPlaces="2"/>
        </PricingInfo>
    </FareDisplayInfo>
    <FareDisplayInfo FareRPH="3" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesigCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:20:00"
FareIndication="private" FareStatus="published">
        <TravelDates DepartureDate="2005-03-05"/>
        <FareReference>CSWISS</FareReference>
        <RuleInfo>
            <LengthOfStayRules StayRestrictionsInd="1">
                <MinimumStay/>
                <MaximumStay MaxStay="12" StayUnit="Months"/>
            </LengthOfStayRules>
        </RuleInfo>
        <FilingAirline CompanyShortName="Swiss" Code="LX"/>
        <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
        <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
        <ArrivalLocation LocationCode="LON">London</ArrivalLocation>
        <Restrictions>
            <Restriction>
                <GlobalDirection GlobalIndicatorCode="EH"/>
            </Restriction>
        </Restrictions>
        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="C" PassengerTypeCode="ADT">
            <BaseFare Amount="141900" CurrencyCode="CHF" DecimalPlaces="2"></BaseFare>
        </PricingInfo>
    </FareDisplayInfo>
</FareDisplayInfos>
</OTA_AirFareDisplayRS>

```

4.3.2. Use Case 2*

4.3.2.1. Request: Infant Passenger

The user request for the OTA-AirFareDisplayRQ message contains a fare display from Zurich (ZRH) to Paris (PAR) in business class (C), today's date for the passenger reduction type Infant.

OTA_AirFareDisplayRQ2.xml

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

```

<OTA_AirFareDisplayRQ 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_AirFareDisplayRQ.xsd"
TimeStamp="2005-05-17T09:30:47" Target="Production" Version="1.000" SequenceNbr="1"
TransactionStatusCode="Start" PrimaryLangID="en-us" DirectFlightsOnly="false" AvailableFlightsOnly="false"
DisplayOrder="ByPriceLowToHigh">
  <POS>
    <Source AgentSine="XY" PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF"
AgentDutyCode="XY" AirlineVendorID="YY" AirportCode="ZRH" TerminalID="XYZ123">
      <RequestorID Type="13" ID="81412345" ID_Context="IATA"/>
      <BookingChannel Type="11" Primary="false"/>
    </Source>
  </POS>
  <OriginDestinationInformation>
    <DepartureDateTime>2005-02-04</DepartureDateTime>
    <OriginLocation LocationCode="ZRH">Zurich</OriginLocation>
    <DestinationLocation LocationCode="PAR">Paris</DestinationLocation>
  </OriginDestinationInformation>
  <TravelPreferences>
    <VendorPref>LX</VendorPref>
    <TicketDistribPref FirstTicketDate="2005-03-15T00:00:00"/>
    <FareApplicationTypePref FareApplicationType="Return"/>
    <BookingClassPref ResBookDesigCode="C"/>
    <PricingPrefs IncludeTaxInd="false" IncludeServiceFeesInd="false"/>
  </TravelPreferences>
  <TravelerInfoSummary>
    <PassengerTypeQuantity Code="INF"/>
  </TravelerInfoSummary>
</OTA_AirFareDisplayRQ>

```

4.3.2.2. Response: Infant Passenger

The OTA_AirFareDisplayRS message contains fares applicable for the city pair Zurich-Paris. Distinction is being made for fare applicable to an infant either occupying a seat or not.

OTA_AirFareDisplayRS2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFareDisplayRS 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_AirFareDisplayRS.xsd"
TimeStamp="2001-12-17T09:30:47-05:00" Target="Production" Version="1.000" SequenceNbr="1"
TransactionStatusCode="Start" PrimaryLangID="en-us">
  <Success/>
  <FareDisplayInfos>
    <FareDisplayInfo FareRPH="1" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesigCode="C" MileageIndicator="false" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="private" FareStatus="published">
      <TravelDates DepartureDate="2005-02-04"></TravelDates>
      <FareReference>CSWISS</FareReference>
      <RuleInfo>
        <LengthOfStayRules StayRestrictionsInd="1">
          <MinimumStay/>
          <MaximumStay MaxStay="12" StayUnit="Months"/>
        </LengthOfStayRules>
      </RuleInfo>
      <FilingAirline CompanyShortName="Swiss" Code="LX"/>
      <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
      <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
      <ArrivalLocation LocationCode="CDG">Paris Charles de Gaulle</ArrivalLocation>
      <Restrictions>
        <Restriction>
          <GlobalDirection GlobalIndicatorCode="EH"/>
        </Restriction>
      </Restrictions>
    </FareDisplayInfo>
  </FareDisplayInfos>
</OTA_AirFareDisplayRS>

```

```

        </Restriction>
    </Restrictions>
    <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CSWISSIN"
PassengerTypeCode="INF">
        <BaseFare Amount="110.00" CurrencyCode="CHF"/>
    </PricingInfo>
</FareDisplayInfo>
    <FareDisplayInfo FareRPH="2" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesignCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="public" FareStatus="published">
        <TravelDates DepartureDate="2005-02-04"/>
        <FareReference>CRT</FareReference>
        <RuleInfo>
            <FilingAirline CompanyShortName="Swiss" Code="LX"/>
            <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
            <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
            <ArrivalLocation LocationCode="ORY">Paris Orly</ArrivalLocation>
            <Restrictions>
                <Restriction>
                    <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="356"/>
                </Restriction>
            </Restrictions>
        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CIN10" PassengerTypeCode="INF">
            <BaseFare Amount="136.00" CurrencyCode="CHF"/>
        </PricingInfo>
    </FareDisplayInfo>
    <FareDisplayInfo FareRPH="3" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesignCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="public" FareStatus="published">
        <TravelDates DepartureDate="2005-02-04"/>
        <FareReference>COW</FareReference>
        <RuleInfo>
            <FilingAirline CompanyShortName="Swiss" Code="LX"/>
            <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
            <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
            <ArrivalLocation LocationCode="ORY">Paris Orly</ArrivalLocation>
            <Restrictions>
                <Restriction>
                    <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="356"/>
                </Restriction>
            </Restrictions>
        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CIN10" PassengerTypeCode="INF">
            <BaseFare Amount="76.00" CurrencyCode="CHF"/>
        </PricingInfo>
    </FareDisplayInfo>
    <FareDisplayInfo FareRPH="4" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesignCode="C" MileageIndicator="false" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="private" FareStatus="published">
        <TravelDates DepartureDate="2005-02-04"></TravelDates>
        <FareReference>CSWISS</FareReference>
        <RuleInfo>
            <LengthOfStayRules StayRestrictionsInd="1">
                <MinimumStay/>
                <MaximumStay MaxStay="12" StayUnit="Months"/>
            </LengthOfStayRules>
        </RuleInfo>
        <FilingAirline CompanyShortName="Swiss" Code="LX"/>
        <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
        <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
        <ArrivalLocation LocationCode="CDG">Paris Charles de Gaulle</ArrivalLocation>
        <Restrictions>
            <Restriction>
                <GlobalDirection GlobalIndicatorCode="EH"/>
            </Restriction>
        </Restrictions>
    </FareDisplayInfo>

```



```

        <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CSWISSIN"
PassengerTypeCode="INS">
        <BaseFare Amount="735.00" CurrencyCode="CHF"/>
    </PricingInfo>
</FareDisplayInfo>
    <FareDisplayInfo FareRPH="5" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesigCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="public" FareStatus="published">
        <TravelDates DepartureDate="2005-02-04"></TravelDates>
        <FareReference>CRT</FareReference>
        <RuleInfo/>
        <FilingAirline CompanyShortName="Swiss" Code="LX"/>
        <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
        <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
        <ArrivalLocation LocationCode="ORY">Paris Orly</ArrivalLocation>
        <Restrictions>
            <Restriction>
                <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="356"/>
            </Restriction>
        </Restrictions>
    </FareDisplayInfo>
    <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CCH67"
PassengerTypeCode="INS">
        <BaseFare Amount="912.00" CurrencyCode="CHF"/>
    </PricingInfo>
</FareDisplayInfo>
    <FareDisplayInfo FareRPH="5" NotAvailableForFareQuotation="false" FareApplicationType="Return"
ResBookDesigCode="C" MileageIndicator="true" LastFareUpdate="2005-02-02T04:35:00"
FareIndication="public" FareStatus="published">
        <TravelDates DepartureDate="2005-02-04"/>
        <FareReference>COW</FareReference>
        <RuleInfo/>
        <FilingAirline CompanyShortName="Swiss" Code="LX"/>
        <MarketingAirline CompanyShortName="Swiss" Code="LX"/>
        <DepartureLocation LocationCode="ZRH">Zurich</DepartureLocation>
        <ArrivalLocation LocationCode="ORY">Paris Orly</ArrivalLocation>
        <Restrictions>
            <Restriction>
                <GlobalDirection GlobalIndicatorCode="EH" MaximumPermittedMileage="356"/>
            </Restriction>
        </Restrictions>
    </FareDisplayInfo>
    <PricingInfo NegotiatedFare="false" TicketDesignatorCode="CCH67"
PassengerTypeCode="INS">
        <BaseFare Amount="507.00" CurrencyCode="CHF"/>
    </PricingInfo>
</FareDisplayInfo>
</FareDisplayInfos>
</OTA_AirFareDisplayRS>

```

4.4. OTA_AirFlifoRQ/RS

The AirFlifo message is a request for updated information on the operation of a specific airline flight. The request requires the airline, flight number and departure date. The departure and arrival airport locations can be also be included.

The AirFlifo response includes real-time flight departure and arrival information. The following flight operation data is included in the response:

- Departure airport
- Arrival airport

- Marketing and operating airline names, when applicable
- Flight number
- Type of equipment
- Status of current operation
- Reason for delay or cancellation
- Airport location for diversion of flight
- Current departure and arrival date and time
- Scheduled departure and arrival date and time
- Duration of flight
- Flight mileage
- Baggage claim location

4.4.1. Use Case 1

4.4.1.1. Request: Air Flight Information

John Smith has to pickup Mike Jones at the Atlanta airport. Mr. Jones is arriving on Delta flight 1644 from Indianapolis. Prior to leaving for the airport, John uses his office computer to check to see if the flight is on time.

OTA_AirFlifoRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFlifoRQ 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_AirFlifoRQ.xsd" EchoToken="533575" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNmbr="1">
  <Airline Code="DL"/>
  <FlightNumber>1644</FlightNumber>
  <DepartureDate>2003-04-01</DepartureDate>
</OTA_AirFlifoRQ>
```

4.4.1.2. Response: Air Flight Information

In response to John's request, Delta provides arrival information on Delta flight 1644. John determines that the flight is running 4 minutes early and is due to arrive in Atlanta at 10:26am. John is now able to determine when he needs to leave to pickup Mike.

OTA_AirFlifoRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFlifoRS EchoToken="533575" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNmbr="1" 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_AirFlifoRS.xsd">
  <Success/>
  <FlightInfoDetails TotalFlightTime="PT3H38M" TotalMiles="734">
    <FlightLegInfo FlightNumber="1644" JourneyDuration="PT1H33M" LegDistance="432">
      <DepartureAirport LocationCode="IND"/>
      <ArrivalAirport LocationCode="ATL" Diversion="0"/>
      <MarketingAirline CompanyShortName="Delta" Code="DL">Delta Airlines</MarketingAirline>
      <Equipment AirEquipType="M80">McDonnell Douglas MD-88</Equipment>
      <DepartureDateTime Scheduled="2003-04-01T08:30:00" Actual="2003-04-01T08:30:00"/>
      <ArrivalDateTime Scheduled="2003-04-01T10:30:00" Estimated="2003-04-01T10:26:00"/>
    </FlightLegInfo>
    <FlightLegInfo FlightNumber="1644" JourneyDuration="PT1H13M" LegDistance="302">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="MOB" Diversion="0"/>
      <MarketingAirline CompanyShortName="Delta" Code="DL">Delta Airlines</MarketingAirline>
      <Equipment AirEquipType="M80">McDonnell Douglas MD-88</Equipment>
      <DepartureDateTime Scheduled="2003-04-01T12:55:00"/>
      <ArrivalDateTime Scheduled="2003-04-01T01:08:00"/>
    </FlightLegInfo>
  </FlightInfoDetails>
</OTA_AirFlifoRS>

```

4.4.2. Use Case 2

4.4.2.1. Request: Air Flight Information Notification

Tim Johnson has to catch Delta flight 1716 from Atlanta to Minneapolis for a very important meeting. Due to weather conditions in Minneapolis, he wishes to be notified of his flight status. He uses his office computer to register for flight notifications. He elects to receive the notifications via his pager.

(AirFlifo messages provide the foundation for Flight Notifications. The above preferences could be held in an intelligent application that would send the AirFlifoRQ to a system and use an AirFlifoRS to determine if a customer should be sent a notification.)

OTA_AirFlifoRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFlifoRQ 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_AirFlifoRQ.xsd" EchoToken="566732" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNmbr="1">
  <Airline Code="DL"/>
  <FlightNumber>1716</FlightNumber>
  <DepartureDate>2003-04-15</DepartureDate>
  <DepartureAirport LocationCode="ATL"/>
  <ArrivalAirport LocationCode="MSP"/>
</OTA_AirFlifoRQ>

```

4.4.2.2. Response: Wireless

In response to Tim Johnson's request, Delta sends a notification to his pager prior to his departure. This message advises him that flight 1716 from Atlanta to Minneapolis is on time and is departing at 8:05a.m.

OTA_AirFlifoRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirFlifoRS EchoToken="566732" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
Version="1.002" SequenceNmbr="1" 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_AirFlifoRS.xsd">
  <Success/>
  <FlightInfoDetails TotalFlightTime="PT2H38M" TotalMiles="907">
    <FlightLegInfo FlightNumber="1716" JourneyDuration="PT2H38M" LegDistance="907">
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="MSP" Diversion="0"/>
      <MarketingAirline CompanyShortName="Delta" Code="DL">Delta Airlines</MarketingAirline>
      <Equipment AirEquipType="738">Boeing 737-800</Equipment>
      <DepartureDateTime Scheduled="2003-04-15T08:05:00"/>
      <ArrivalDateTime Scheduled="2003-04-15T09:43:00" Estimated="2003-04-15T09:43:00"/>
    </FlightLegInfo>
  </FlightInfoDetails>
</OTA_AirFlifoRS>
```

4.5. OTA_AirDetailsRQ/RS

The Air Details Request message requests flight leg and codeshare information for a specific flight on a specific date between a city pair.

The Air Details Response message contains airline, arrival and departure times, equipment, meal, and duration information (total and ground) for each leg of a flight. It also contains codeshare information, on time percentage, and electronic ticketing eligibility.

4.5.1. Use Case 1

4.5.1.1. Request: Air Details

A passenger wants to find out the details of a flight he wants to book. The passenger's travel agent sends a request for the details of flight DL194.

OTA_AirDetailsRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirDetailsRQ 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_AirDetailsRQ.xsd" EchoToken="533675" TimeStamp="2003-10-17T09:30:47-05:00"
Target="Production" Version="1.002" SequenceNmbr="1">
  <POS>
    <Source AgentSine="42960012" PseudoCityCode="ATL" ISOCountry="US" AirlineVendorID="1P">
      <RequestorID Type="5" ID="248954"/>
      <BookingChannel Type="1" Primary="1"/>
    </Source>
  </POS>
  <Airline Code="DL"/>
  <FlightNumber>194</FlightNumber>
  <DepartureAirport LocationCode="ATL">
  </DepartureAirport>
  <ArrivalAirport LocationCode="BOS">
  </ArrivalAirport>
  <DepartureDate>2003-12-13</DepartureDate>
```

```
</OTA_AirDetailsRQ>
```

4.5.1.2. Response: Flight Details

A response is received from the airline that gives details on the total flight time, mileage, departure and arrival times, on time performance, equipment type, and meals served.

OTA_AirDetailsRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirDetailsRS EchoToken="String" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="1.002" 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_AirDetailsRS.xsd">
  <Success/>
  <FlightDetails TotalFlightTime="PT2H25M" TotalMiles="946">
    <FlightLegDetails SequenceNumber="0" FlightNumber="194" JourneyDuration="PT2H25M"
OnTimeRate="97.00" DepartureDateTime="2003-11-07T09:38:00-05:00" ArrivalDateTime="2003-11-
07T12:03:00-05:00">
      <DepartureAirport LocationCode="ATL" CodeContext="IATA"/>
      <ArrivalAirport LocationCode="BOS" CodeContext="IATA"/>
      <MarketingAirline CompanyShortName="Delta Airlines" TravelSector="1" Code="DL"/>
      <Equipment AirEquipType="736" ChangeofGauge="false"/>
      <Comment Language="en-us">String</Comment>
      <MarketingCabinAvailability CabinType="First">
        <Meal MealCode="Breakfast"/>
      </MarketingCabinAvailability>
    </FlightLegDetails>
  </FlightDetails>
</OTA_AirDetailsRS>
```

4.6. OTA_AirLowFareSearchRQ/RS

The Low Fare Search Request message requests priced itinerary options for flights between specific city pairs on certain dates for specific numbers and types of passengers. Optional request information can include:

- Time / Time Window
- Connecting cities.
- Client Preferences (airlines, cabin, flight types etc.)
- Flight type (nonstop or direct)
- Number of itinerary options desired

The Low Fare Search Response message contains a number of ‘Priced Itinerary’ options. Each includes:

- A set of available flights matching the client’s request.
- Pricing information including taxes and full fare breakdown for each passenger type
- Ticketing information—ticket advisory information and ticketing time limits.
- Fare basis codes and the information necessary to make a rules entry.

4.6.1. Use Case 1

4.6.1.1. Request: Air Low Fare Search

Sam Jones is starting to plan his summer vacation to the Grand Canyon. He will be departing from Washington Dulles International Airport, and flying into Flagstaff, AZ. Since he is planning to go in June and it is only November, he does not want to make a financial commitment yet. However, he is willing to hold reservations for his trip. He does not want any fares returned that require ticket restrictions after reservations are made. He also knows he wants to spend at least 2 weeks at his destination, so he does not want any fares returned with maximum stays less than 14 days. Once the ticket is purchased there should be no changes in these plans.

Sam accesses a travel website and sends a message requesting flights from Washington Dulles to Flagstaff, AZ for travel in June. His message also gives specifics concerning the type of fares in which he is interested.

OTA_AirLowFareSearchRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirLowFareSearchRQ EchoToken="50987" TimeStamp="2003-11-19T19:44:10-05:00"
Target="Production" SequenceNmbr="1" 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_AirLowFareSearchRQ.xsd" Version="2.001">
  <POS>
    <Source>
      <RequestorID Type="13" ID="01235"/>
    </Source>
  </POS>
  <OriginDestinationInformation>
    <DepartureDateTime>2004-06-05T10:00:00-05:00</DepartureDateTime>
    <OriginLocation LocationCode="IAD"/>
    <DestinationLocation LocationCode="FLG"/>
  </OriginDestinationInformation>
  <OriginDestinationInformation>
    <DepartureDateTime>2004-06-27T10:00:00-05:00</DepartureDateTime>
    <OriginLocation LocationCode="FLG"/>
    <DestinationLocation LocationCode="IAD"/>
  </OriginDestinationInformation>
  <TravelPreferences>
    <FareRestrictPref>
      <AdvResTicketing AdvTicketingInd="false">
        <AdvTicketing/>
      </AdvResTicketing>
      <StayRestrictions StayRestrictionsInd="true">
        <MinimumStay />
        <MaximumStay MaxStay="14" StayUnit="Days"/>
      </StayRestrictions>
    </FareRestrictPref>
  </TravelPreferences>
  <TravelerInfoSummary>
    <AirTravelerAvail>
      <PassengerTypeQuantity Code="ADT" Quantity="1"/>
    </AirTravelerAvail>
  </TravelerInfoSummary>
</OTA_AirLowFareSearchRQ>
```

4.6.1.2. Response: Air Low Fare Search

The response returns three pricing options with fare amounts and fare rule information.

OTA_AirLowFareSearchRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirLowFareSearchRS EchoToken="53468" TimeStamp="2003-11-19T19:44:17-05:00"
Target="Production" SequenceNmbr="1" 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_AirLowFareSearchRS.xsd" Version="2.001">
  <Success/>
  <PricedItineraries>
    <PricedItinerary SequenceNumber="1">
      <AirtineraryPricingInfo>
        <ItinTotalFare>
          <BaseFare Amount="256.75" CurrencyCode="USD"/>
          <TotalFare Amount="285.00" CurrencyCode="USD"/>
        </ItinTotalFare>
        <FareInfos>
          <FareInfo>
            <FareReference>"K"</FareReference>
            <RuleInfo>
              <ResTicketingRules>
                <AdvResTicketing AdvTicketingInd="true">
                  <AdvTicketing FromDepartPeriod="21" FromDepartUnit="Days"/>
                </AdvResTicketing>
              </ResTicketingRules>
              <LengthOfStayRules>
                <MinimumStay MinStay="14" StayUnit="Days"/>
                <MaximumStay Return Type="C" MaxStay="30" StayUnit="Days"/>
              </LengthOfStayRules>
              <ChargesRules>
                <VoluntaryChanges VolChangeInd="true">
                  <Penalty Percent="100"/>
                </VoluntaryChanges>
              </ChargesRules>
            </RuleInfo>
            <FilingAirline>HP</FilingAirline>
            <DepartureAirport LocationCode="IAD"/>
            <ArrivalAirport LocationCode="FLG"/>
          </FareInfo>
          <FareInfo>
            <FareReference>"H"</FareReference>
            <RuleInfo>
              <ResTicketingRules>
                <AdvResTicketing AdvTicketingInd="true">
                  <AdvTicketing FromDepartPeriod="21" FromDepartUnit="Days"/>
                </AdvResTicketing>
              </ResTicketingRules>
              <LengthOfStayRules>
                <MinimumStay MinStay="14" StayUnit="Days"/>
                <MaximumStay Return Type="C" MaxStay="30" StayUnit="Days"/>
              </LengthOfStayRules>
              <ChargesRules>
                <VoluntaryChanges VolChangeInd="true">
                  <Penalty Percent="100"/>
                </VoluntaryChanges>
              </ChargesRules>
            </RuleInfo>
            <FilingAirline>HP</FilingAirline>
            <DepartureAirport LocationCode="FLG"/>
          </FareInfo>
        </FareInfos>
      </AirtineraryPricingInfo>
    </PricedItinerary>
  </PricedItineraries>
</OTA_AirLowFareSearchRS>
```

```

        <ArrivalAirport LocationCode="IAD"/>
    </FareInfo>
</FareInfos>
</AirtineraryPricingInfo>
</PricedItinerary>
<PricedItinerary SequenceNumber="2">
    <AirtineraryPricingInfo>
        <ItinTotalFare>
            <BaseFare Amount="337.46" CurrencyCode="USD" />
            <TotalFare Amount="375.00" CurrencyCode="USD" />
        </ItinTotalFare>
        <FareInfos>
            <FareInfo>
                <FareReference> "Q"</FareReference>
                <RuleInfo>
                    <ResTicketingRules>
                        <AdvResTicketing AdvTicketingInd="true">
                            <AdvTicketing FromDepartPeriod="14" FromDepartUnit="Days"/>
                        </AdvResTicketing>
                    </ResTicketingRules>
                    <LengthOfStayRules>
                        <MinimumStay MinStay="7" StayUnit="Days"/>
                        <MaximumStay Return Type="C" MaxStay="14" StayUnit="Days"/>
                    </LengthOfStayRules>
                    <ChargesRules>
                        <VoluntaryChanges VolChangeInd="true">
                            <Penalty Percent="50"/>
                        </VoluntaryChanges>
                    </ChargesRules>
                </RuleInfo>
                <FilingAirline>NW</FilingAirline>
                <DepartureAirport LocationCode="IAD"/>
                <ArrivalAirport LocationCode="FLG"/>
            </FareInfo>
            <FareInfo>
                <FareReference> "Q"</FareReference>
                <RuleInfo>
                    <ResTicketingRules>
                        <AdvResTicketing AdvTicketingInd="true">
                            <AdvTicketing FromDepartPeriod="14" FromDepartUnit="Days"/>
                        </AdvResTicketing>
                    </ResTicketingRules>
                    <LengthOfStayRules>
                        <MinimumStay MinStay="7" StayUnit="Days"/>
                        <MaximumStay Return Type="C" MaxStay="14" StayUnit="Days"/>
                    </LengthOfStayRules>
                    <ChargesRules>
                        <VoluntaryChanges VolChangeInd="true">
                            <Penalty Percent="50"/>
                        </VoluntaryChanges>
                    </ChargesRules>
                </RuleInfo>
                <FilingAirline>NW</FilingAirline>
                <DepartureAirport LocationCode="FLG"/>
                <ArrivalAirport LocationCode="IAD"/>
            </FareInfo>
        </FareInfos>
    </AirtineraryPricingInfo>
</PricedItinerary>
<PricedItinerary SequenceNumber="3">
    <AirtineraryPricingInfo>
        <ItinTotalFare>
            <BaseFare Amount="681.75" CurrencyCode="USD" />
            <TotalFare Amount="757.00" CurrencyCode="USD" />
        </ItinTotalFare>
        <FareInfos>

```

```

    <FareInfo>
      <FareReference> "Y"</FareReference>
      <RuleInfo>
        <ResTicketingRules>
          <AdvResTicketing AdvTicketingInd="false"/>
        </ResTicketingRules>
        <ChargesRules>
          <VoluntaryChanges VolChangeInd="true"/>
        </ChargesRules>
      </RuleInfo>
      <FilingAirline>UA</FilingAirline>
      <DepartureAirport LocationCode="IAD"/>
      <ArrivalAirport LocationCode="FLG"/>
    </FareInfo>
    <FareInfo>
      <FareReference> "Y"</FareReference>
      <RuleInfo>
        <ResTicketingRules>
          <AdvResTicketing AdvTicketingInd="false">
        </AdvResTicketing>
        </ResTicketingRules>
        <ChargesRules>
          <VoluntaryChanges VolChangeInd="true"/>
        </ChargesRules>
      </RuleInfo>
      <FilingAirline>UA</FilingAirline>
      <DepartureAirport LocationCode="IAD"/>
      <ArrivalAirport LocationCode="FLG"/>
    </FareInfo>
  </FareInfos>
</AirtineraryPricingInfo>
</PricedItinerary>
</PricedItineraries>
</OTA_AirLowFareSearchRS>

```

4.6.2. Use Case 2

4.6.2.1. Request: Air Low Fare Search

It is October 18, 2003, and Sam Jones is firming up a business trip that will begin two weeks from today. He will be traveling from New York to Chicago, and then onto Los Angeles before returning to New York. He's hoping some round trip or advance purchase fares will reduce the cost. Since the business plans can change, he does not want any penalties for making changes. He also does not want any minimum stay dictating when he must commence his return from either of these cities. If he finishes his business in both cities in 3 days, he does not want a fare that would require he spend seven days in either city before he could return. He also knows that the trip will not take any longer than 2 weeks.

Using a travel website, Sam sends a message requesting fares for a trip from New York to Chicago and then on to Los Angeles and finally returning home to New York. He also specifies fare type criteria.

OTA_AirLowFareSearchRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirLowFareSearchRQ EchoToken="75834" TimeStamp="2003-10-18T10:23:38-05:00"
Target="Production" SequenceNmbr="1" 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_AirLowFareSearchRQ.xsd" Version="2.001">
  <POS>
    <Source>
      <RequestorID Type="13" ID="01235"/>
    </Source>
  </POS>
  <OriginDestinationInformation>
    <DepartureDateTime>2003-11-01T18:00:00</DepartureDateTime>
    <OriginLocation LocationCode="JFK"/>
    <DestinationLocation LocationCode="CHI"/>
  </OriginDestinationInformation>
  <OriginDestinationInformation>
    <DepartureDateTime>2003-11-05T15:00:00</DepartureDateTime>
    <OriginLocation LocationCode="CHI"/>
    <DestinationLocation LocationCode="LAX"/>
  </OriginDestinationInformation>
  <OriginDestinationInformation>
    <DepartureDateTime>2003-11-15T10:00:00</DepartureDateTime>
    <OriginLocation LocationCode="LAX"/>
    <DestinationLocation LocationCode="JFK"/>
  </OriginDestinationInformation>
  <TravelPreferences>
    <FareRestrictPref>
      <AdvResTicketing AdvTicketingInd="false">
        <AdvTicketing/>
      </AdvResTicketing>
      <StayRestrictions StayRestrictionsInd="true">
        <MinimumStay MinStay="1" StayUnit="Days"/>
        <MaximumStay MaxStay="14" StayUnit="Days"/>
      </StayRestrictions>
    </FareRestrictPref>
  </TravelPreferences>
  <TravelerInfoSummary>
    <AirTravelerAvail>
      <PassengerTypeQuantity Code="ADT" Quantity="1"/>
    </AirTravelerAvail>
  </TravelerInfoSummary>
</OTA_AirLowFareSearchRQ>

```

4.6.2.2. Response: Air Low Fare Search

The response returns three pricing options with fare rules for each.

OTA_AirLowFareSearchRS2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirLowFareSearchRS EchoToken="77583" TimeStamp="2003-10-18T10:23:47-05:00"
Target="Production" SequenceNmbr="1" 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_AirLowFareSearchRS.xsd" Version="2.001">
  <Success/>
  <PricedItineraries>
    <PricedItinerary SequenceNumber="1">
      <AirtineraryPricingInfo>
        <ItinTotalFare>
          <BaseFare Amount="523.25" CurrencyCode="USD" />
          <TotalFare Amount="588.00" CurrencyCode="USD" />
        </ItinTotalFare>
        <FareInfos>
          <FareInfo>

```

```

<FareReference> "L" </FareReference>
<RuleInfo>
  <ResTicketingRules>
    <AdvResTicketing AdvTicketingInd="true">
      <AdvTicketing FromResPeriod="24" FromResUnit="Hours"/>
    </AdvResTicketing>
  </ResTicketingRules>
  <LengthOfStayRules>
    <MinimumStay MinStay="1" StayUnit="Hours"/>
    <MaximumStay Return Type="C" MaxStay="14" StayUnit="Days"/>
  </LengthOfStayRules>
  <ChargesRules>
    <VoluntaryChanges VolChangeInd="false"/>
  </ChargesRules>
</RuleInfo>
<FilingAirline>CO</FilingAirline>
<DepartureAirport LocationCode="EWR"/>
<ArrivalAirport LocationCode="CHI"/>
</FareInfo>
<FareInfo>
  <FareReference> "L" </FareReference>
  <RuleInfo>
    <ResTicketingRules>
      <AdvResTicketing AdvTicketingInd="true">
        <AdvTicketing FromResPeriod="24" FromResUnit="Hours"/>
      </AdvResTicketing>
    </ResTicketingRules>
    <LengthOfStayRules>
      <MinimumStay MinStay="1" StayUnit="Hours"/>
      <MaximumStay Return Type="C" MaxStay="14" StayUnit="Days"/>
    </LengthOfStayRules>
    <ChargesRules>
      <VoluntaryChanges VolChangeInd="false"/>
    </ChargesRules>
  </RuleInfo>
  <FilingAirline>CO</FilingAirline>
  <DepartureAirport LocationCode="CHI"/>
  <ArrivalAirport LocationCode="LAX"/>
</FareInfo>
<FareInfo>
  <FareReference> "L" </FareReference>
  <RuleInfo>
    <ResTicketingRules>
      <AdvResTicketing AdvTicketingInd="true">
        <AdvTicketing FromResPeriod="24" FromResUnit="Hours"/>
      </AdvResTicketing>
    </ResTicketingRules>
    <LengthOfStayRules>
      <MinimumStay MinStay="1" StayUnit="Hours"/>
      <MaximumStay Return Type="C" MaxStay="14" StayUnit="Days"/>
    </LengthOfStayRules>
    <ChargesRules>
      <VoluntaryChanges VolChangeInd="false"/>
    </ChargesRules>
  </RuleInfo>
  <FilingAirline>CO</FilingAirline>
  <DepartureAirport LocationCode="LAX"/>
  <ArrivalAirport LocationCode="EWR"/>
</FareInfo>
</FareInfos>
</AirtineraryPricingInfo>
</PricedItinerary>
<PricedItinerary SequenceNumber="2">
  <AirtineraryPricingInfo>
    <ItinTotalFare>
      <BaseFare Amount="722.79" CurrencyCode="USD" />
    </ItinTotalFare>
  </AirtineraryPricingInfo>
</PricedItinerary>

```

```

        <TotalFare Amount="802.00" CurrencyCode="USD" />
    </ItinTotalFare>
    <FareInfos>
        <FareInfo>
            <FareReference> "H"</FareReference>
            <RuleInfo>
                <ResTicketingRules>
                    <AdvResTicketing AdvTicketingInd="true">
                        <AdvTicketing FromDepartPeriod="7" FromDepartUnit="Days"/>
                    </AdvResTicketing>
                </ResTicketingRules>
                <ChargesRules>
                    <VoluntaryChanges VolChangeInd="false"/>
                </ChargesRules>
            </RuleInfo>
            <FilingAirline>DL</FilingAirline>
            <DepartureAirport LocationCode="JFK"/>
            <ArrivalAirport LocationCode="CHI"/>
        </FareInfo>
        <FareInfo>
            <FareReference> "H"</FareReference>
            <RuleInfo>
                <ResTicketingRules>
                    <AdvResTicketing AdvTicketingInd="true">
                        <AdvTicketing FromDepartPeriod="7" FromDepartUnit="Days"/>
                    </AdvResTicketing>
                </ResTicketingRules>
                <ChargesRules>
                    <VoluntaryChanges VolChangeInd="false">
                    </VoluntaryChanges>
                </ChargesRules>
            </RuleInfo>
            <FilingAirline>DL</FilingAirline>
            <DepartureAirport LocationCode="CHI"/>
            <ArrivalAirport LocationCode="LAX"/>
        </FareInfo>
        <FareInfo>
            <FareReference> "Q"</FareReference>
            <RuleInfo>
                <ResTicketingRules>
                    <AdvResTicketing AdvTicketingInd="true">
                        <AdvTicketing FromDepartPeriod="7" FromDepartUnit="Days"/>
                    </AdvResTicketing>
                </ResTicketingRules>
                <ChargesRules>
                    <VoluntaryChanges VolChangeInd="false">
                    </VoluntaryChanges>
                </ChargesRules>
            </RuleInfo>
            <FilingAirline>DL</FilingAirline>
            <DepartureAirport LocationCode="LAX"/>
            <ArrivalAirport LocationCode="JFK"/>
        </FareInfo>
    </FareInfos>
    </AirtineraryPricingInfo>
</PricedItinerary>
<PricedItinerary SequenceNumber="3">
    <AirtineraryPricingInfo>
        <ItinTotalFare>
            <BaseFare Amount="2062.32" CurrencyCode="USD" />
            <TotalFare Amount="2245.50" CurrencyCode="USD" />
        </ItinTotalFare>
        <FareInfos>
            <FareInfo>
                <FareReference> "Y26"</FareReference>
                <RuleInfo>

```

```

        <ResTicketingRules>
          <AdvResTicketing AdvTicketingInd="false"/>
        </ResTicketingRules>
        <ChargesRules>
          <VoluntaryChanges VolChangeInd="false">
            <Penalty Amount="10.00" CurrencyCode="USD" />
          </VoluntaryChanges>
        </ChargesRules>
      </RuleInfo>
      <FilingAirline>AA</FilingAirline>
      <DepartureAirport LocationCode="JFK"/>
      <ArrivalAirport LocationCode="CHI"/>
    </FareInfo>
    <FareInfo>
      <FareReference> "Y26"</FareReference>
      <RuleInfo>
        <ResTicketingRules>
          <AdvResTicketing AdvTicketingInd="false"/>
        </ResTicketingRules>
        <ChargesRules>
          <VoluntaryChanges VolChangeInd="false"/>
        </ChargesRules>
      </RuleInfo>
      <FilingAirline>AA</FilingAirline>
      <DepartureAirport LocationCode="CHI"/>
      <ArrivalAirport LocationCode="LAX"/>
    </FareInfo>
    <FareInfo>
      <FareReference> "Y"</FareReference>
      <RuleInfo>
        <ResTicketingRules>
          <AdvResTicketing AdvTicketingInd="false">
            </AdvResTicketing>
          </ResTicketingRules>
          <ChargesRules>
            <VoluntaryChanges VolChangeInd="false"/>
          </ChargesRules>
        </RuleInfo>
        <FilingAirline>AA</FilingAirline>
        <DepartureAirport LocationCode="LAX"/>
        <ArrivalAirport LocationCode="JFK"/>
      </FareInfo>
    </FareInfos>
  </AirtineraryPricingInfo>
</PricedItinerary>
</PricedItineraries>
</OTA_AirLowFareSearchRS>

```

4.7. OTA_AirPriceRQ/RS

The Air Price Request message requests pricing information for specific flights on certain dates for a specific number and type of passengers. The message allows for optional information such as fare restriction preferences and negotiated fare contract codes to be included.

The pricing request contains the information necessary to perform an availability / sell from availability / price series of entries on an airline CRS or GDS.

The Pricing Response message contains a 'Priced Itinerary'. This includes:

- The set of flights sent in the Pricing request message

- Pricing information including taxes and full fare breakdown for each passenger type
- Ticketing information
- Fare Basis Codes and the information necessary to make a Fare Rules entry.

4.7.1. Use Case1

4.7.1.1. Request: Air Price

Mickey Mouse has booked flights from Atlanta to Los Angeles and then on to Honolulu. He now wants to price this itinerary so he requests that the itinerary be priced. Mickey's travel agent sends a request to price the itinerary.

OTA_AirPriceRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirPriceRQ 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_AirPriceRQ.xsd" EchoToken="36732" TimeStamp="2003-11-14T10:30:00" Target="Production"
  Version="2.001" SequenceNmbr="284" PrimaryLangID="en">
  <POS>
    <Source AgentSine="2BB" PseudoCityCode="ATL" ISOCountry="US" ISOCurrency="USD"
      AirlineVendorID="1P">
      <RequestorID Type="5" ID="35896241"/>
      <BookingChannel Type="1"/>
    </Source>
  </POS>
  <Airtinerary DirectionInd="Circle">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2003-12-12T12:50:00" ArrivalDateTime="2003-12-
12T14:34:00" StopQuantity="0" FlightNumber="242" ResBookDesigCode="L" NumberInParty="2"
Status="30">
          <DepartureAirport LocationCode="ATL"/>
          <ArrivalAirport LocationCode="LAX"/>
          <MarketingAirline Code="DL"/>
        </FlightSegment>
      </OriginDestinationOption>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2003-12-12T15:30:00" ArrivalDateTime="2003-12-
12T19:15:00" StopQuantity="0" FlightNumber="1579" ResBookDesigCode="L" NumberInParty="2"
Status="30">
          <DepartureAirport LocationCode="LAX"/>
          <ArrivalAirport LocationCode="HNL"/>
          <MarketingAirline Code="DL"/>
        </FlightSegment>
      </OriginDestinationOption>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2003-12-20T22:00:00" ArrivalDateTime="2003-12-
21T05:05:00" StopQuantity="0" FlightNumber="1852" ResBookDesigCode="L" NumberInParty="1"
Status="30">
          <DepartureAirport LocationCode="HNL"/>
          <ArrivalAirport LocationCode="LAX"/>
          <MarketingAirline Code="DL"/>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
  </Airtinerary>
</OTA_AirPriceRQ>
```

```

        <FlightSegment DepartureDateTime="2003-12-21T06:00:00" ArrivalDateTime="2003-12-
21T13:03:00" StopQuantity="0" FlightNumber="744" ResBookDesigCode="L" NumberInParty="1"
Status="30">
            <DepartureAirport LocationCode="LAX"/>
            <ArrivalAirport LocationCode="ATL"/>
            <MarketingAirline Code="DL"/>
        </FlightSegment>
    </OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<TravelerInfoSummary>
    <AirTravelerAvail>
        <PassengerTypeQuantity Code="ADT" Quantity="1"/>
        <AirTraveler PassengerTypeCode="ADT">
            <PersonName>
                <GivenName>Mickey</GivenName>
                <Surname>Mouse</Surname>
            </PersonName>
            <TravelerRefNumber RPH="1"/>
        </AirTraveler>
    </AirTravelerAvail>
</TravelerInfoSummary>
</OTA_AirPriceRQ>

```

4.7.1.2. Response: Air Price

A response is received with the itinerary priced.

OTA_AirPriceRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirPriceRS 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_AirPriceRS.xsd" EchoToken="36732" TimeStamp="2003-11-14T10:30:00" Target="Production"
Version="2.001" SequenceNmbr="285" PrimaryLangID="en">
    <Success/>
    <PricedItineraries>
        <PricedItinerary SequenceNumber="1">
            <Airtinerary DirectionInd="Circle">
                <OriginDestinationOptions>
                    <OriginDestinationOption>
                        <FlightSegment DepartureDateTime="2003-12-12T12:50:00" ArrivalDateTime="2003-
12-12T14:34:00" StopQuantity="0" FlightNumber="242" ResBookDesigCode="L" NumberInParty="2"
Status="30">
                            <DepartureAirport LocationCode="ATL"/>
                            <ArrivalAirport LocationCode="LAX"/>
                            <MarketingAirline Code="DL"/>
                        </FlightSegment>
                    </OriginDestinationOption>
                    <OriginDestinationOption>
                        <FlightSegment DepartureDateTime="2003-12-12T15:30:00" ArrivalDateTime="2003-
12-12T19:15:00" StopQuantity="0" FlightNumber="1579" ResBookDesigCode="L" NumberInParty="2"
Status="30">
                            <DepartureAirport LocationCode="LAX"/>
                            <ArrivalAirport LocationCode="HNL"/>
                            <MarketingAirline Code="DL"/>
                        </FlightSegment>
                    </OriginDestinationOption>
                    <OriginDestinationOption>
                        <FlightSegment DepartureDateTime="2003-12-20T22:00:00" ArrivalDateTime="2003-
12-21T05:05:00" StopQuantity="0" FlightNumber="1852" ResBookDesigCode="L" NumberInParty="2"
Status="30">
                            <DepartureAirport LocationCode="HNL"/>

```

```

        <ArrivalAirport LocationCode="LAX"/>
        <MarketingAirline Code="DL"/>
    </FlightSegment>
</OriginDestinationOption>
<OriginDestinationOption>
    <FlightSegment DepartureDateTime="2003-12-21T06:00:00" ArrivalDateTime="2003-
12-21T13:03:00" StopQuantity="0" FlightNumber="744" ResBookDesigCode="L" NumberInParty="2"
Status="30">
        <DepartureAirport LocationCode="LAX"/>
        <ArrivalAirport LocationCode="ATL"/>
        <MarketingAirline Code="DL"/>
    </FlightSegment>
</OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<AirtineraryPricingInfo PricingSource="Published">
    <ItinTotalFare NegotiatedFare="false">
        <BaseFare Amount="783.88" CurrencyCode="USD"/>
        <Taxes>
            <Tax TaxCode="US" Amount="38.72" CurrencyCode="USD"/>
            <Tax TaxCode="AY" Amount="10.00" CurrencyCode="USD"/>
            <Tax TaxCode="ZP" Amount="12.00" CurrencyCode="USD"/>
            <Tax TaxCode="XF" Amount="13.50" CurrencyCode="USD"/>
        </Taxes>
        <TotalFare Amount="858.10" CurrencyCode="USD"/>
    </ItinTotalFare>
    <FareInfos>
        <FareInfo NegotiatedFare="false">
            <DepartureDate>2003-12-12T00:00:00</DepartureDate>
            <FareReference>LLPE30N</FareReference>
            <RuleInfo>
                <ResTicketingRules>
                    <AdvResTicketing AdvResInd="false">
                        <AdvTicketing FromResTimeOfDay="2003-11-15T24:00:00"/>
                    </AdvResTicketing>
                </ResTicketingRules>
                <LengthOfStayRules StayRestrictionsInd="true">
                    <MinimumStay MinStay="4" StayUnit="Days"/>
                    <MaximumStay MaxStay="30" StayUnit="Days"/>
                </LengthOfStayRules>
            </RuleInfo>
            <FilingAirline Code="DL"/>
            <DepartureAirport LocationCode="ATL"/>
            <ArrivalAirport LocationCode="ATL"/>
        </FareInfo>
    </FareInfos>
</AirtineraryPricingInfo>
</PricedItinerary>
</PricedItineraries>
</OTA_AirPriceRS>

```

4.8. OTA_AirRulesRQ/RS

The Rules Request message requests text rules for a specific fare basis code for an airline and city pair on a specific date. Optional information allows negotiated fare contract codes to be included in the request.

The Rules Response message contains a set of text (human readable) rule information paragraphs. Each paragraph is identified by a rule code.

4.8.1. Use Case 1

4.8.1.1. Request: Air Rules

A customer has priced itinerary for Atlanta to Seattle and now wants to see the rules associated with the fare basis code UE14OPNX. The customer sends a request to get the rules for this code.

OTA_AirRulesRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirRulesRQ 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_AirRulesRQ.xsd" EchoToken="36732" TimeStamp="2003-11-15T11:00:00" Target="Production"
  Version="2.001" SequenceNmbr="293" PrimaryLangID="en">
  <POS>
    <Source AgentSine="2BB" PseudoCityCode="ATL" ISOCountry="US" ISOCurrency="USD"
      AirlineVendorID="1P">
      <RequestorID Type="5" ID="35896241"/>
      <BookingChannel Type="1"/>
    </Source>
  </POS>
  <RuleReqInfo NegotiatedFare="false">
    <FareReference>UE14OPNX</FareReference>
    <RuleInfo/>
    <FilingAirline Code="DL"/>
    <DepartureAirport LocationCode="ATL"/>
    <ArrivalAirport LocationCode="SEA"/>
  </RuleReqInfo>
</OTA_AirRulesRQ>
```

4.8.1.2. Response: Air Rules

A response is received with the rules for the requested fare basis code.

OTA_AirRulesRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirRulesRS 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_AirRulesRS.xsd" EchoToken="36732" TimeStamp="2003-11-15T11:00:00" Target="Production"
  Version="2.001" SequenceNmbr="294" PrimaryLangID="en">
  <Success/>
  <FareRuleResponseInfo>
    <FareRuleInfo NegotiatedFare="false">
      <FareReference>UE14OPNX</FareReference>
      <RuleInfo>
        <ResTicketingRules>
          <AdvResTicketing AdvResInd="true" AdvTicketingInd="true">
            <AdvReservation LatestPeriod="14" LatestUnit="Days"/>
            <AdvTicketing FromResPeriod="1" FromResUnit="Days" FromDepartPeriod="14"
              FromDepartUnit="Days"/>
          </AdvResTicketing>
        </ResTicketingRules>
        <LengthOfStayRules StayRestrictionsInd="true">
          <MinimumStay MinStay="1" StayUnit="SUN"/>
          <MaximumStay/>
        </LengthOfStayRules>
      </RuleInfo>
    </FareRuleInfo>
  </FareRuleResponseInfo>
</OTA_AirRulesRS>
```



```

        <ChargesRules>
          <VoluntaryChanges VolChangeInd="true">
            <Penalty PenaltyType="Reissue Cancellation Refund Failure to use"
Amount="100.00" CurrencyCode="USD"/>
          </VoluntaryChanges>
        </ChargesRules>
      </RuleInfo>
      <FilingAirline Code="DL"/>
      <MarketingAirline Code="DL"/>
      <DepartureAirport LocationCode="ATL"/>
      <ArrivalAirport LocationCode="SEA"/>
    </FareRuleInfo>
    <FareRules>
      <SubSection SubTitle="Surcharges">
        <Paragraph>
          <Text Formatted="false">$9.30 USD OW miscellaneous/other surcharge applies.</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Governing rule">
        <Paragraph>
          <Text Formatted="false">5050 TRF-011</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Day/time">
        <Paragraph>
          <Text Formatted="false">Travel at this fare permitted 1200Mon-1159Thu 1200Sat-
2359Sat</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Flights">
        <Paragraph>
          <Text Formatted="false">Must be via DL 0001 thru DL 9999</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Res/Tktg">
        <Paragraph>
          <Text Formatted="false">For travel on/before 28Feb04. Passengers holding confirmed
resrvations and tickets may standby for earlier/later dame day flights between same
origin/destination/stopover without charge. Same day confirm//DSC - passengers holding confirmed
reservations and tickets may confirm earlier/later same day flights between origin/destination/stopover points
for a non-refundable fee of USD 25.00. New itinerary may not be confirmed more than 3 hours prior to
departure time of new outboun flight. The new itinerary must be valid for the original fare purchased. See
penalties/voluntary changes for complete rules and restrictions.</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Stopovers">
        <Paragraph>
          <Text Formatted="false">No enroute free stopover/s/permitted</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Penalty">
        <Paragraph>
          <Text Formatted="false">$100.00 USD/for resissue of tkt or for tkt reval or for an
unticketed PTA or for cancellation or for failuse to use confirmed space or for a ticket refund or for an
unticketed PTA/tkt non ref...$100.00 USD/charge per tkt/for lost tkt.</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Open jaw">
        <Paragraph>
          <Text Formatted="false">Permitted at origin or destination/double open jaw not
permitted...maximum 2 fare components...single open jaw:permitted/may not be combined with other
airlines.</Text>
        </Paragraph>
      </SubSection>
      <SubSection SubTitle="Circle trip">
        <Paragraph>

```

```

                <Text Formatted="false">2 component: permitted/may not be combined with other
airlines...more than 2 component: permitted/may not be combined with other airlines/max fare breaks -
2.</Text>
            </Paragraph>
        </SubSection>
        <SubSection SubTitle="End-to-end">
            <Paragraph>
                <Text Formatted="false">Combinaitons are permitted. Travel must be via the point of
combination. Round trip excusion fares may not be combined end-to-end with any round trip fare when these
fares have overlapping travel periods and are to/from the same cities of origin and destination as a stopover
or fare break point.</Text>
            </Paragraph>
        </SubSection>
    </FareRules>
</FareRuleResponseInfo>
</OTA_AirRulesRS>

```

4.9. OTA_AirSchedulesRQ/RS

The Air Schedules message set is intended to provide a customer or a third party entity with the ability to view airline flight schedules. This message set requires the customer to specify the Departure and Arrival cities for a specific date. It offers flight information on airlines that provide service between the requested cities.

The Schedules messages could be used for the following circumstances:

- Customer may want to determine what airlines offer service to/from specific cities.
- Customer is looking for a specific flight number. By entering the arrival and departure cities and knowing the approximate arrival or departure time the customer can locate their specific flight number.
- Customer needs to determine the days of the week that service is scheduled to and from the requested destination.
- Customer will be able to determine the type of aircraft used to fly that route. Some customers prefer to fly on larger types of aircraft.

The schedules message also contains other information that customers are interested in: meal service, duration of flight, on-time statistics and if smoking is allowed. In addition, these messages provide the foundation for electronic timetables.

4.9.1. Use Case 1

4.9.1.1. Request: Air Schedules

Mr. Sam Jones, a United Airlines Mileage Plus member, is interested in traveling from Denver (DEN) to Los Angeles (LAX) for a business meeting. His meeting is on December 1, 2003 in the late afternoon. He would like to take a flight that will leave in the morning around 9:00am, so that he can get into Los Angeles in time for his meeting. He is only interested in seeing flight options for United, given his frequent flyer loyalty. Mr. Jones appreciates the comfort of business

class and large planes, so would prefer a schedule with these options. He is also concerned about his meal options because he does not want to take the time to stop on his way to his meeting to get lunch.

Using his wireless palm device, Mr. Sam Jones requests flight schedule information on United Airlines departing Denver around 9:00a.m. and arriving in Los Angeles on December 1, 2003.

OTA_AirScheduleRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirScheduleRQ 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_AirScheduleRQ.xsd" EchoToken="75657" TimeStamp="2003-03-17T09:30:47-05:00"
  Target="Production" Version="1.002" SequenceNmbr="1">
  <OriginDestinationInformation>
    <DepartureDateTime>2003-12-01T09:00:00</DepartureDateTime>
    <OriginLocation LocationCode="DEN"/>
    <DestinationLocation LocationCode="LAX"/>
  </OriginDestinationInformation>
  <FlightInfo>
    <BookingClassPref ResBookDesigCode="C" PreferLevel="Preferred"/>
  </FlightInfo>
  <VendorPref Code="UA" PreferLevel="Only"/>
</OTA_AirScheduleRQ>
```

4.9.1.2. Response: Air Schedules

He receives the following options in response to his request:

Option 1: United Airlines flight 443, which departs at 9:00a.m. and arrives at 10:24am. Mr. Jones sees that this flight is usually on time with an on time rating of 8. This flight is a non-stop flight in a Boeing 777 (large plane). The cabin class shown is business because Mr. Jones has chosen to see schedules with this class of service. Mr. Jones sees that breakfast is served on this flight. He also notes that this flight is available all days of the week.

Option 2: United Airlines flight 781, which departs at 10:50a.m. and arrives at 12:15p.m.. Mr. Jones sees that this flight is usually on time with an on time rating of 8. This flight is a non-stop flight in a Boeing 777 (large plane). The cabin class shown is business because Mr. Jones has chosen to see schedules with this class of service. Mr. Jones sees that a snack is served on this flight. He also notes that this flight is only available on Sundays.

OTA_AirScheduleRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirScheduleRS EchoToken="75657" TimeStamp="2003-03-17T09:30:47-05:00" Target="Production"
  Version="1.002" SequenceNmbr="1" 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_AirScheduleRS.xsd">
  <Success/>
  <OriginDestinationOptions>
    <OriginDestinationOption>
```

```

    <FlightSegment DepartureDateTime="2003-12-01T09:00:00" ArrivalDateTime="2003-12-
01T10:24:00" StopQuantity="0" FlightNumber="443" OnTimeRate="8" ScheduleValidStartDate="2003-06-15"
ScheduleValidEndDate="2003-12-29">
      <DepartureAirport LocationCode="DEN"/>
      <ArrivalAirport LocationCode="LAX"/>
      <Equipment AirEquipType="777">Boeing 777</Equipment>
      <MarketingAirline CompanyShortName="United" Code="UA">United
Airlines</MarketingAirline>
      <MarketingCabin CabinType="Business" RPH="1">
        <Meal MealCode="Breakfast"/>
      </MarketingCabin>
      <DaysOfOperation>
        <OperationSchedule>
          <OperationTimes>
            <OperationTime Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1" Sun="1"/>
          </OperationTimes>
        </OperationSchedule>
      </DaysOfOperation>
    </FlightSegment>
  </OriginDestinationOption>
  <OriginDestinationOption>
    <FlightSegment DepartureDateTime="2003-12-01T10:50:00" ArrivalDateTime="2003-12-
01T12:15:00" StopQuantity="0" FlightNumber="781" OnTimeRate="8" ScheduleValidStartDate="2003-04-01"
ScheduleValidEndDate="2004-01-06">
      <DepartureAirport LocationCode="DEN"/>
      <ArrivalAirport LocationCode="LAX"/>
      <Equipment AirEquipType="777">Boeing 777</Equipment>
      <MarketingAirline CompanyShortName="United" Code="UA">United
Airlines</MarketingAirline>
      <MarketingCabin CabinType="Business" RPH="1">
        <Meal MealCode="Snack"/>
      </MarketingCabin>
      <DaysOfOperation>
        <OperationSchedule>
          <OperationTimes>
            <OperationTime Mon="0" Tue="0" Weds="0" Thur="0" Fri="0" Sat="0" Sun="1"/>
          </OperationTimes>
        </OperationSchedule>
      </DaysOfOperation>
    </FlightSegment>
  </OriginDestinationOption>
</OriginDestinationOptions>
</OTA_AirScheduleRS>

```

4.10.OTA_AirSeatMapRQ/RS

Seat maps display which seats are available for a given flight, as well as their location within the aircraft. To make a seat assignment, when using an online booking product, a customer will frequently access a seat map display to determine which seats are available. Then they will make a separate seating request. These messages identify all the information necessary to request and return an available seat map for a particular flight.

Types of information for the seat map request include: airline, flight number, date of travel, class of service and frequent flier status. The response message includes: flight, aircraft and seat description information.

4.10.1. Use Case 1

4.10.1.1. Request: Seat Maps for One Passenger with Two Flight Segments

Mr. Sam Jones is flying from Calcutta to London via Bombay. For the Calcutta – Bombay sector, he is booked on Indian Airline 273 on 26th Sep 03 in the business class while for the Bombay – London sector he is booked on Air India 101 on 27th Sep 03 in first class. The booking was done by the Sabre agent ‘Indian Travels Calcutta’, with the IATA code 0001. The Sabre PNR is 123456 while the Indian Airlines PNR is 345678 and the Air India PNR is H1234.

Mr. Jones is a Frequent Flier with Air India and his number is C12345. He has advised his travel agent that he would like a non-smoking, aisle seat preferably near toilets.

A request is sent to retrieve the seat map for flight IC273 and AI101.

Note: If the Seat Map request message contains flight segments that represent a change of gauge, the expected response should be an OTA Error message. As of 2003B, the Seat Map response message is not designed to provide Seat Maps across change of gauge.

OTA_AirSeatMapRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirSeatMapRQ 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_AirSeatMapRQ.xsd" Version="1.001">
  <POS>
    <Source>
      <RequestorID Type="5" ID="0001">
        <CompanyName>Indian Travels,Calcutta</CompanyName>
      </RequestorID>
    </Source>
  </POS>
  <SeatMapRequests>
    <SeatMapRequest>
      <FlightSegmentInfo DepartureDateTime="2003-26-09T18:30:00" FlightNumber="273">
        <DepartureAirport LocationCode="CCU"/>
        <ArrivalAirport LocationCode="BOM"/>
        <MarketingAirline CompanyShortName="Air India" Code="AI"/>
      </FlightSegmentInfo>
    </SeatMapRequest>
    <SeatMapRequest>
      <FlightSegmentInfo DepartureDateTime="2003-27-09T08:30:00" FlightNumber="101">
        <DepartureAirport LocationCode="BOM" />
        <ArrivalAirport LocationCode="LHR" />
        <MarketingAirline CompanyShortName="Air India" Code="AI"/>
      </FlightSegmentInfo>
    </SeatMapRequest>
  </SeatMapRequests>
  <AirTravelers>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <NamePrefix>Mr</NamePrefix>
        <GivenName>Sam</GivenName>
        <Surname>Jones</Surname>
      </PersonName>
    </AirTraveler>
  </AirTravelers>
</OTA_AirSeatMapRQ>
```

```

        <CustLoyalty MembershipID="C12345" ProgramID="AI"/>
    </AirTraveler>
</AirTravelers>
<BookingReferenceID Type="20" ID="345678">
    <CompanyName>IC</CompanyName>
</BookingReferenceID>
<BookingReferenceID Type="20" ID="H1234">
    <CompanyName>AI</CompanyName>
</BookingReferenceID>
<BookingReferenceID Type="20" ID="123456">
    <CompanyName>1W</CompanyName>
</BookingReferenceID>
</OTA_AirSeatMapRQ>

```

4.10.1.2. Response: Seat Maps for Two Flight Segments

The seat map response contains only the cabin class in which the Mr Jones is booked, namely business class and first class in the two flight segments respectively.

Note: In the XML response the seat details of only one zone of the economy class is included to keep the document short. Also only certain seat characteristic values have been returned for each seat; numerous other values could be returned.

OTA_AirSeatMapRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirSeatMapRS Version="1.001" 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_AirSeatMapRS.xsd">
    <Success/>
    <SeatMapResponses>
        <SeatMapResponse>
            <FlightSegmentInfo DepartureDateTime="2003-26-09T18:30:00" FlightNumber="273">
                <DepartureAirport LocationCode="CCU" />
                <ArrivalAirport LocationCode="BOM" />
                <Equipment AirEquipType="310"/>
                <MarketingAirline Code="IC"/>
            </FlightSegmentInfo>
            <SeatMapDetails>
                <CabinClass CabinType="Business">
                    <AirRows>
                        <AirRow RowNumber="1">
                            <AirSeats>
                                <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85 35"/>
                                <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="35 3"/>
                                <AirSeat SeatNumber="C" SeatAvailability="1" SeatCharacteristics="35 3"/>
                                <AirSeat SeatNumber="F" SeatAvailability="1" SeatCharacteristics="35 3"/>
                                <AirSeat SeatNumber="G" SeatAvailability="1" SeatCharacteristics="35 3"/>
                                <AirSeat SeatNumber="H" SeatAvailability="1" SeatCharacteristics="85 35"/>
                            </AirSeats>
                            <AirRowCharacteristics CharacteristicList="11"/>
                        </AirRow>
                        <AirRow RowNumber="2">
                            <AirSeats>
                                <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
                                <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
                                <AirSeat SeatNumber="C" SeatAvailability="1" SeatCharacteristics="3"/>
                                <AirSeat SeatNumber="F" SeatAvailability="1" SeatCharacteristics="3"/>
                                <AirSeat SeatNumber="G" SeatAvailability="1" SeatCharacteristics="3"/>
                            </AirSeats>
                        </AirRow>
                    </AirRows>
                </CabinClass>
            </SeatMapDetails>
        </SeatMapResponse>
    </SeatMapResponses>
</OTA_AirSeatMapRS>

```

```

        <AirSeat SeatNumber="H" SeatAvailability="1" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="11"/>
</AirRow>
<AirRow RowNumber="3">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="G" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="H" SeatAvailability="1" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="11"/>
</AirRow>
<AirRow RowNumber="4">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="G" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="H" SeatAvailability="1" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="11"/>
</AirRow>
</AirRows>
</CabinClass>
</SeatMapDetails>
</SeatMapResponse>
<SeatMapResponse>
    <FlightSegmentInfo DepartureDateTime="2003-27-09T08:30:00" FlightNumber="101">
        <DepartureAirport LocationCode="BOM" />
        <ArrivalAirport LocationCode="LHR" />
        <Equipment AirEquipType="747"/>
        <MarketingAirline Code="AI"/>
    </FlightSegmentInfo>
    <SeatMapDetails>
        <CabinClass CabinType="First">
            <AirRows>
                <AirRow RowNumber="1">
                    <AirSeats>
                        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
                        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
                    </AirSeats>
                    <AirRowCharacteristics CharacteristicList="10"/>
                </AirRow>
                <AirRow RowNumber="2">
                    <AirSeats>
                        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
                        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
                    </AirSeats>
                    <AirRowCharacteristics CharacteristicList="10"/>
                </AirRow>
                <AirRow RowNumber="3">
                    <AirSeats>
                        <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
                        <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
                        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
                    </AirSeats>
                    <AirRowCharacteristics CharacteristicList="10"/>
                </AirRow>
                <AirRow RowNumber="10">
                    <AirSeats>
                        <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85 35"/>

```



```

        <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="35 3"/>
        <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="35 3"/>
        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="35 85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="11">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="12">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="15">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="16">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
        <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
        <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="17">
    <AirSeats>
        <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="86"/>
        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="86"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
<AirRow RowNumber="18">
    <AirSeats>
        <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="34 86"/>
    </AirSeats>
    <AirRowCharacteristics CharacteristicList="20"/>
</AirRow>
</AirRows>
</CabinClass>
</SeatMapDetails>
</SeatMapResponse>
<AirTravelers>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <NamePrefix>Mr</NamePrefix>
            <GivenName>Sam</GivenName>
            <Surname>Jones</Surname>
        </PersonName>
    </AirTraveler>

```



```

        <CustLoyalty MembershipID="C12345" ProgramID="AI"/>
    </AirTraveler>
</AirTravelers>
</SeatMapResponses>
</OTA_AirSeatMapRS>

```

4.10.2. Use Case 2

4.10.2.1. Request: Seat Maps for Multiple Passengers with an Upgrade Requested

Mr. Sam Jones is traveling to London from Bombay with his friend John Smith on 2 Oct 03 on Air India 111 flight. Both have been booked in economy class. The booking was done by the Sabre agent 'Indian Travels Calcutta', with the IATA CODE 0001. The Sabre PNR is 123456 while the Air India PNR is H1234.

Mr. Jones is a Frequent Flier with Air India and his number is C12345. He has advised his travel agent that he would like to upgrade to a seat in the First class cabin.

The seat map request is sent with a request for the seat map of one flight segment in the itinerary for the two passengers in the PNR.

OTA_AirSeatMapRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirSeatMapRQ 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_AirSeatMapRQ.xsd" Version="1.001">
  <POS>
    <Source>
      <RequestorID Type="5" ID="0001">
        <CompanyName>Indian Travels,Calcutta</CompanyName>
      </RequestorID>
    </Source>
  </POS>
  <SeatMapRequests>
    <SeatMapRequest>
      <FlightSegmentInfo DepartureDateTime="2003-02-10T06:30:00" FlightNumber="111">
        <DepartureAirport LocationCode="BOM" />
        <ArrivalAirport LocationCode="LHR" />
        <MarketingAirline Code="AI"/>
      </FlightSegmentInfo>
      <SeatDetails SeatUpgrade="true"/>
    </SeatMapRequest>
  </SeatMapRequests>
  <AirTravelers>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Sam</GivenName>
        <Surname>Jones</Surname>
      </PersonName>
      <CustLoyalty MembershipID="C12345" ProgramID="AI"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>John</GivenName>

```

```

        <Surname>Smith</Surname>
    </PersonName>
    <CustLoyalty/>
</AirTraveler>
</AirTravelers>
<BookingReferenceID Type="20" ID="H1234">
    <CompanyName Code="AI"/>
</BookingReferenceID>
<BookingReferenceID Type="20" ID="123456">
    <CompanyName Code="1W"/>
</BookingReferenceID>
</OTA_AirSeatMapRQ>

```

4.10.2.2. Response: Seat Map for Two Cabins

Since Mr. Jones is booked in economy, but is hoping for an upgrade to first class, the seat availability is returned for both first and coach cabins.

OTA_AirSeatMapRS2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirSeatMapRS Version="1.001" 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_AirSeatMapRS.xsd">
  <Success/>
  <SeatMapResponses>
    <SeatMapResponse SeatUpgradeApplied="true">
      <FlightSegmentInfo DepartureDateTime="2003-02-10T06:30:00" FlightNumber="111">
        <DepartureAirport LocationCode="BOM"/>
        <ArrivalAirport LocationCode="LHR"/>
        <Equipment AirEquipType="747"/>
        <MarketingAirline Code="AI"/>
      </FlightSegmentInfo>
      <SeatMapDetails>
        <CabinClass CabinType="First">
          <AirRows>
            <AirRow RowNumber="1">
              <AirSeats>
                <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
                <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
              </AirSeats>
              <AirRowCharacteristics CharacteristicList="10"/>
            </AirRow>
            <AirRow RowNumber="2">
              <AirSeats>
                <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
                <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
              </AirSeats>
              <AirRowCharacteristics CharacteristicList="10"/>
            </AirRow>
            <AirRow RowNumber="3">
              <AirSeats>
                <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
                <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
                <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
              </AirSeats>
            </AirRow>
          </AirRows>
        </CabinClass>
      </SeatMapDetails>
    </SeatMapResponse>
  </SeatMapResponses>
</OTA_AirSeatMapRS>

```

```

        <AirRowCharacteristics CharacteristicList="10"/>
    </AirRow>
    <AirRow RowNumber="10">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85 35"/>
            <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="35 3"/>
            <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="35 3"/>
            <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="35 85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="11">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
            <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="12">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="85"/>
            <AirSeat SeatNumber="B" SeatAvailability="2" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="J" SeatAvailability="2" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="15">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
            <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="16">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="1" SeatCharacteristics="85"/>
            <AirSeat SeatNumber="B" SeatAvailability="1" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="J" SeatAvailability="1" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="K" SeatAvailability="1" SeatCharacteristics="85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="17">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatAvailability="2" SeatCharacteristics="86"/>
            <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="86"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
    <AirRow RowNumber="18">
        <AirSeats>
            <AirSeat SeatNumber="K" SeatAvailability="2" SeatCharacteristics="34 86"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="20"/>
    </AirRow>
</AirRows>
</CabinClass>
<CabinClass CabinType="Economy">
    <AirRows>
        <AirRow RowNumber="31">
            <AirSeats>

```

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```

        <AirRowCharacteristics CharacteristicList="10"/>
    </AirRow>
    <AirRow RowNumber="36">
        <AirSeats>
            <AirSeat SeatNumber="A" SeatCharacteristics="85"/>
            <AirSeat SeatNumber="B" SeatCharacteristics="12"/>
            <AirSeat SeatNumber="C" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="H" SeatCharacteristics="3"/>
            <AirSeat SeatNumber="J" SeatCharacteristics="12"/>
            <AirSeat SeatNumber="K" SeatCharacteristics="85"/>
        </AirSeats>
        <AirRowCharacteristics CharacteristicList="10"/>
    </AirRow>
</AirRows>
</CabinClass>
</SeatMapDetails>
</SeatMapResponse>
<AirTravelers>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <NamePrefix>Mr</NamePrefix>
            <GivenName>Sam</GivenName>
            <Surname>Jones</Surname>
        </PersonName>
        <CustLoyalty MembershipID="C12345" ProgramID="AI"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <NamePrefix>Mr.</NamePrefix>
            <GivenName>John</GivenName>
            <Surname>Smith</Surname>
        </PersonName>
        <CustLoyalty/>
    </AirTraveler>
</AirTravelers>
</SeatMapResponses>
</OTA_AirSeatMapRS>

```

4.11.OTA_AirBookModifyRQ/OTA_AirBookRS

The Book Modify Request message requests to modify an existing booking file. The message contains all elements of OTA_AirBookRQ plus a general type of modification, i.e. name change, split, cancel or other is indicated with the attribute 'ModificationType'.

The modification operation on the different elements is either indicated with the existing attribute 'Status' (for air segments, SSR's and seat requests) or with attribute 'Operation' of Type ActionType for the other elements (i.e. Other service information, remarks, AirTraveler Elements).

In the AirBookModifyRQ element all the data to be changed is submitted and in the AirReservation element all existing data may be submitted. This allows the receiving system to perform a consistency check before updating the booking file. In order to keep the message small, this can be omitted.

Changes to a booking may result in required updates of the ticket (e.g. revalidation), imply charges for a change, the pricing may change or some fees may need to be collected. In order to achieve a basic concept for AirBookModify

ticketing, pricing and fulfillment are out of scope and are not referenced in the following use cases.

The response to the OTA_AirBookModifyRQ message is the OTA_AirBookRS message.

4.11.1. Use Case 1*

4.11.1.1. Request: Name change for one passenger

The name of passenger Anthony Miller is spelled incorrectly. His name is actually Anthony Mueller. This is the only change made to the booking file; itinerary and special service all remain the same. Additionally, processing will place the booking file on Queue 9 of city LHR.

Note(s): The sending of existing SpecialServiceRequests, SeatRequests, OtherServiceInformation or AirTraveler information (except for the passenger name and the RPH number) in the AirReservation element is optional.

OTA_AirBookModifyRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47" Target="Production" Version="1.000"
  SequenceNbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="3">
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Anthony</GivenName>
          <Surname>Mueller</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
      </AirTraveler>
    </TravelerInfo>
    <Queues>
      <Queue PseudoCityCode="LHR" QueueNumber="9"/>
    </Queues>
  </AirBookModifyRQ>
  <AirReservation LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00"
            RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30"
            NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
  </AirReservation>
</OTA_AirBookModifyRQ>
```

```

        <MarriageGrp>1</MarriageGrp>
    </FlightSegment>
    <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00"
        RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30"
NumberInParty="3">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
        <MarketingAirline Code="LX"/>
        <MarriageGrp>1</MarriageGrp>
    </FlightSegment>
</OriginDestinationOption>
<OriginDestinationOption>
    <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00"
        RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30"
NumberInParty="3">
        <DepartureAirport LocationCode="JFK"/>
        <ArrivalAirport LocationCode="ZRH"/>
        <OperatingAirline Code="AA" FlightNumber="0064"/>
        <MarketingAirline Code="LX"/>
    </FlightSegment>
</OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Bertram</GivenName>
            <Surname>King</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
        <Email EmailType="2">b_king@email.com </Email>
        <Address FormattedInd="false" Type="1">
            <AddressLine>Hauptstrasse 3A</AddressLine>
            <AddressLine>8046 Zurich</AddressLine>
            <AddressLine>Switzerland</AddressLine>
        </Address>
        <CustLoyalty ProgramID="LX" MembershipID="015015437" LoyalLevel="FQTV"
VendorCode="LX"/>
    <TravelerRefNumber RPH="1"/>
</AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Jonathan</GivenName>
            <Surname>Ironheart</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
        <Email EmailType="2">iron@heart.com </Email>
        <Address FormattedInd="false" Type="1">
            <AddressLine>37 Mill Way</AddressLine>
            <AddressLine>CRD London 7HD</AddressLine>
            <AddressLine>England</AddressLine>
        </Address>
        <CustLoyalty ProgramID="AA" MembershipID="A123D45" LoyalLevel="FQTV"
VendorCode="LX"/>
    <TravelerRefNumber RPH="2"/>
</AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Anthony</GivenName>
            <Surname>Miller</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>

```



```

<Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
<Email EmailType="2">a_mueller@email.com </Email>
<Address FormattedInd="false" Type="1">
  <AddressLine>Zeltweg 47</AddressLine>
  <AddressLine>8302 Kloten</AddressLine>
  <AddressLine>Switzerland</AddressLine>
</Address>
  <CustLoyalty ProgramID="LX" MembershipID="03368437" LoyalLevel="Circle"
VendorCode="LX"/>
  <TravelerRefNumber RPH="3"/>
</AirTraveler>
<SpecialReqDetails>
  <SeatRequests>
    <SeatRequest SmokingAllowed="false" SeatNumber="34A"
TravelerRefNumberRPHList="1"
      FlightRefNumberRPHList="2" Status="30">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
      </SeatRequest>
    <SeatRequest SmokingAllowed="false" SeatNumber="34B"
TravelerRefNumberRPHList="2"
      FlightRefNumberRPHList="2" Status="30">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
      </SeatRequest>
    </SeatRequests>
    <SpecialServiceRequests>
      <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1" Status="30">
      </SpecialServiceRequest>
      <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="2" Status="30">
      </SpecialServiceRequest>
      <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="3" Status="30">
      </SpecialServiceRequest>
    </SpecialServiceRequests>
    <OtherServiceInformations>
      <OtherServiceInformation>
        <TravelerRefNumber RPH="1"/>
        <Airline Code="LX"/>
        <Text>1VIP 1King/BertramMR</Text>
      </OtherServiceInformation>
    </OtherServiceInformations>
  </SpecialReqDetails>
</TravelerInfo>
</AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.1.2. Response: Updated Booking File

The name is changed and returned with the same RPH as before.

OTA_AirBookRS3.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
  <Success/>

```



```

    <AirReservation LastModified="2004-09-30T08:35:00">
      <Airtinerary DirectionInd="OneWay">
        <OriginDestinationOptions>
          <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00"
              RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30"
NumberInParty="3">
              <DepartureAirport LocationCode="LHR"/>
              <ArrivalAirport LocationCode="ZRH"/>
              <MarketingAirline Code="LX"/>
              <MarriageGrp>1</MarriageGrp>
            </FlightSegment>
            <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00"
              RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30"
NumberInParty="3">
              <DepartureAirport LocationCode="ZRH"/>
              <ArrivalAirport LocationCode="JFK"/>
              <MarketingAirline Code="LX"/>
              <MarriageGrp>1</MarriageGrp>
            </FlightSegment>
          </OriginDestinationOption>
          <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00"
              RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30"
NumberInParty="3">
              <DepartureAirport LocationCode="JFK"/>
              <ArrivalAirport LocationCode="ZRH"/>
              <OperatingAirline Code="AA" FlightNumber="0064"/>
              <MarketingAirline Code="LX"/>
            </FlightSegment>
          </OriginDestinationOption>
        </OriginDestinationOptions>
      </Airtinerary>
      <TravelerInfo>
        <AirTraveler PassengerTypeCode="ADT">
          <PersonName>
            <GivenName>Bertram</GivenName>
            <Surname>King</Surname>
            <NameTitle>Mr</NameTitle>
          </PersonName>
          <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
          <Email EmailType="2">b_king@email.com</Email>
          <Address FormattedInd="false" Type="1">
            <AddressLine>Hauptstrasse 3A</AddressLine>
            <AddressLine>8046 Zurich</AddressLine>
            <AddressLine>Switzerland</AddressLine>
          </Address>
          <CustLoyalty ProgramID="LX" MembershipID="015015437" LoyaltyLevel="FQTV"
VendorCode="LX"/>
          <TravelerRefNumber RPH="1"/>
        </AirTraveler>
        <AirTraveler PassengerTypeCode="ADT">
          <PersonName>
            <GivenName>Jonathan</GivenName>
            <Surname>Ironheart</Surname>
            <NameTitle>Mr</NameTitle>
          </PersonName>
          <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
          <Email EmailType="2">iron@heart.com</Email>
          <Address FormattedInd="false" Type="1">
            <AddressLine>37 Mill Way</AddressLine>
            <AddressLine>CRD London 7HD</AddressLine>
            <AddressLine>England</AddressLine>

```

```

        </Address>
        <CustLoyalty ProgramID="AA" MembershipID="A123D45" LoyalLevel="FQTV"
VendorCode="LX"/>
        <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Anthony</GivenName>
            <Surname>Mueller</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="41 43 8120073"/>
        <Email EmailType="2">a_mueller@email.com </Email>
        <Address FormattedInd="false" Type="1">
            <AddressLine>Zeltweg 47</AddressLine>
            <AddressLine>8302 Kloten</AddressLine>
            <AddressLine>Switzerland</AddressLine>
        </Address>
        <CustLoyalty ProgramID="LX" MembershipID="03368437" LoyalLevel="Circle"
VendorCode="LX"/>
        <TravelerRefNumber RPH="3"/>
    </AirTraveler>
    <SpecialReqDetails>
        <SeatRequests>
            <SeatRequest SmokingAllowed="false" SeatNumber="34A"
TravelerRefNumberRPHList="1"
                FlightRefNumberRPHList="2" Status="30">
                    <DepartureAirport LocationCode="ZRH"/>
                    <ArrivalAirport LocationCode="JFK"/>
                </SeatRequest>
            <SeatRequest SmokingAllowed="false" SeatNumber="34B"
TravelerRefNumberRPHList="2"
                FlightRefNumberRPHList="2" Status="30">
                    <DepartureAirport LocationCode="ZRH"/>
                    <ArrivalAirport LocationCode="JFK"/>
                </SeatRequest>
        </SeatRequests>
        <SpecialServiceRequests>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1" Status="30">
            </SpecialServiceRequest>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="2" Status="30">
            </SpecialServiceRequest>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="3" Status="30">
            </SpecialServiceRequest>
        </SpecialServiceRequests>
        <OtherServiceInformations>
            <OtherServiceInformation>
                <TravelerRefNumber RPH="1"/>
                <Airline Code="LX"/>
                <Text>1VIP 1King/BertramMR</Text>
            </OtherServiceInformation>
        </OtherServiceInformations>
    </SpecialReqDetails>
</TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

4.11.2. Use Case 2*

4.11.2.1. Request: Split and update of a booking file message

Mr. Bertram King is unable to travel from London to New York via Zurich on 30 Sep 04. He is changing his travel plans to travel on 2 Oct 04 and wishes to reserve a seat and requests his vegetarian meals.

Note(s): The originally booked Seats and Meals do not need to be cancelled, as the Airline reservation systems usually do this automatically. However, if required, they can be specifically cancelled by sending them in the AirBookModifyRQ element with status="16" (cancelled).

As the return flight JFK-ZRH on 10 Nov 04 remains unchanged it does not need to be sent again in the AirBookModifyRQ element.

OTA_AirBookModifyRQ2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47" Target="Production" Version="1.000"
  SequenceNbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="7">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00"
            RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="16"
            NumberInParty="1">
              <DepartureAirport LocationCode="LHR"/>
              <ArrivalAirport LocationCode="ZRH"/>
              <MarketingAirline Code="LX"/>
              <MarriageGrp>1</MarriageGrp>
            </FlightSegment>
          <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00"
            RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="16"
            NumberInParty="1">
              <DepartureAirport LocationCode="ZRH"/>
              <ArrivalAirport LocationCode="JFK"/>
              <MarketingAirline Code="LX"/>
              <MarriageGrp>1</MarriageGrp>
            </FlightSegment>
          </OriginDestinationOption>
          <OriginDestinationOption>
            <FlightSegment DepartureDateTime="2005-10-02T08:35:00" ArrivalDateTime="2005-10-
02T11:25:00"
              RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="11"
              NumberInParty="1">
                <DepartureAirport LocationCode="LHR"/>
                <ArrivalAirport LocationCode="ZRH"/>
```

```

        <MarketingAirline Code="LX"/>
        <MarriageGrp>1</MarriageGrp>
    </FlightSegment>
    <FlightSegment DepartureDateTime="2005-10-02T12:30:00" ArrivalDateTime="2005-10-
02T15:10:00"
        RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="11"
NumberInParty="1">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
        <MarketingAirline Code="LX"/>
        <MarriageGrp>1</MarriageGrp>
    </FlightSegment>
    </OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Bertram</GivenName>
            <Surname>King</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <SpecialReqDetails>
        <SeatRequests>
            <SeatRequest SmokingAllowed="false" SeatNumber="17A"
TravelerRefNumberRPHList="1"
                FlightRefNumberRPHList="2" Status="11">
                <DepartureAirport LocationCode="ZRH"/>
                <ArrivalAirport LocationCode="JFK"/>
            </SeatRequest>
        </SeatRequests>
        <SpecialServiceRequests>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="1"
                FlightRefNumberRPHList="1" Status="11">
            </SpecialServiceRequest>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="1"
                FlightRefNumberRPHList="2" Status="11">
            </SpecialServiceRequest>
        </SpecialServiceRequests>
        <Remarks>
            <Remark Operation="Add">Passenger unable to travel on original date.</Remark>
            <Remark Operation="Add">Passenger is travelling a day later</Remark>
        </Remarks>
    </SpecialReqDetails>
</TravelerInfo>
<Queues>
    <Queue PseudoCityCode="LHR" QueueNumber="9"/>
</Queues>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
        <OriginDestinationOptions>
            <OriginDestinationOption>
                <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00"
                    RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30"
NumberInParty="3">
                    <DepartureAirport LocationCode="LHR"/>
                    <ArrivalAirport LocationCode="ZRH"/>
                    <MarketingAirline Code="LX"/>
                    <MarriageGrp>1</MarriageGrp>
                </FlightSegment>
                <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00"

```

```

RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30"
NumberInParty="3">
  <DepartureAirport LocationCode="ZRH"/>
  <ArrivalAirport LocationCode="JFK"/>
  <MarketingAirline Code="LX"/>
  <MarriageGrp>1</MarriageGrp>
</FlightSegment>
</OriginDestinationOption>
<OriginDestinationOption>
  <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00"
RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30"
NumberInParty="3">
  <DepartureAirport LocationCode="JFK"/>
  <ArrivalAirport LocationCode="ZRH"/>
  <OperatingAirline Code="AA" FlightNumber="0064"/>
  <MarketingAirline Code="LX"/>
</FlightSegment>
</OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Bertram</GivenName>
      <Surname>King</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="1"/>
  </AirTraveler>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Jonathan</GivenName>
      <Surname>Ironheart</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="2"/>
  </AirTraveler>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Anthony</GivenName>
      <Surname>Mueller</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="3"/>
  </AirTraveler>
  <SpecialReqDetails>
    <SeatRequests>
      <SeatRequest SmokingAllowed="false" SeatNumber="34A"
TravelerRefNumberRPHList="1"
      FlightRefNumberRPHList="2" Status="30">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
      </SeatRequest>
      <SeatRequest SmokingAllowed="false" SeatNumber="34B"
TravelerRefNumberRPHList="2"
      FlightRefNumberRPHList="2" Status="30">
        <DepartureAirport LocationCode="ZRH"/>
        <ArrivalAirport LocationCode="JFK"/>
      </SeatRequest>
    </SeatRequests>
    <SpecialServiceRequests>
      <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
      FlightRefNumberRPHList="1" Status="30">
      </SpecialServiceRequest>
      <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"

```

```

        FlightRefNumberRPHList="2" Status="30">
    </SpecialServiceRequest>
    <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
        FlightRefNumberRPHList="3" Status="30">
    </SpecialServiceRequest>
</SpecialServiceRequests>
<OtherServiceInformations>
    <OtherServiceInformation>
        <TravelerRefNumber RPH="1"/>
        <Airline Code="LX"/>
        <Text>1VIP 1King/BertramMR</Text>
    </OtherServiceInformation>
</OtherServiceInformations>
</SpecialReqDetails>
</TravelerInfo>
</AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.2.2. Response: Split off Booking File

The response shows the split off booking file with the modifications.

OTA_AirBookRS4.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
    Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
    <Success/>
    <AirReservation BookingReferenceID="GHIJKL" LastModified="2004-09-30T08:35:00">
        <Airtinerary DirectionInd="OneWay">
            <OriginDestinationOptions>
                <OriginDestinationOption>
                    <FlightSegment DepartureDateTime="2005-10-02T08:35:00" ArrivalDateTime="2005-10-
02T11:25:00"
                        RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30"
                        NumberInParty="1">
                            <DepartureAirport LocationCode="LHR"/>
                            <ArrivalAirport LocationCode="ZRH"/>
                            <MarketingAirline Code="LX"/>
                            <MarriageGrp>1</MarriageGrp>
                        </FlightSegment>
                    </OriginDestinationOption>
                    <OriginDestinationOption>
                        <FlightSegment DepartureDateTime="2005-10-02T12:30:00" ArrivalDateTime="2005-10-
02T15:10:00"
                            RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30"
                            NumberInParty="1">
                                <DepartureAirport LocationCode="ZRH"/>
                                <ArrivalAirport LocationCode="JFK"/>
                                <MarketingAirline Code="LX"/>
                                <MarriageGrp>1</MarriageGrp>
                            </FlightSegment>
                        </OriginDestinationOption>
                    </OriginDestinationOption>
                    <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00"
                        RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30"
                        NumberInParty="1">
                            <DepartureAirport LocationCode="JFK"/>
                            <ArrivalAirport LocationCode="ZRH"/>
                            <OperatingAirline Code="AA" FlightNumber="0064"/>
                            <MarketingAirline Code="LX"/>
                        </FlightSegment>
                    </OriginDestinationOption>
                </OriginDestinationOptions>
            </Airtinerary>
        </AirReservation>
    </OTA_AirBookRS>

```

```

        </FlightSegment>
        </OriginDestinationOption>
    </OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Bertram</GivenName>
            <Surname>King</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <SpecialReqDetails>
        <SeatRequests>
            <SeatRequest SmokingAllowed="false" SeatNumber="17A"
TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="2" Status="30">
                <DepartureAirport LocationCode="ZRH"/>
                <ArrivalAirport LocationCode="JFK"/>
            </SeatRequest>
        </SeatRequests>
        <SpecialServiceRequests>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="1" Status="30">
                </SpecialServiceRequest>
            <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="2" Status="30">
                </SpecialServiceRequest>
            </SpecialServiceRequests>
            <OtherServiceInformations>
                <OtherServiceInformation>
                    <TravelerRefNumber RPH="1"/>
                    <Airline Code="LX"/>
                    <Text>1VIP 1King/BertramMR</Text>
                </OtherServiceInformation>
            </OtherServiceInformations>
            <Remarks>
                <Remark RPH="1">Passenger unable to travel on original date.</Remark>
                <Remark RPH="2">Passenger is travelling a day later</Remark>
            </Remarks>
        </SpecialReqDetails>
    </TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

4.11.3. Use Case 3*

4.11.3.1. Request: Reduce number in party

Mr. Bertram King is not able to travel at all. His entire booking must be cancelled.

OTA_AirBookModifyRQ3.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
SequenceNbr="1" PrimaryLangID="en-us">

```

```

<POS>
  <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
    <RequestorID Type="13" ID="12345678"/>
  </Source>
</POS>
<AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="2">
  <TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
  </TravelerInfo>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00"/>
</OTA_AirBookModifyRQ>

```

4.11.3.2. Response: Error, due to out of sync situation

The receiving system was not able to perform the reduce number in party transaction, due to an out of sync situation of the existing booking file, which was already cancelled (Code 95).

OTA_AirBookRS5.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
SequenceNbr="1" PrimaryLangID="en-us">
  <Errors>
    <Error Type="3" Code="95"/>
  </Errors>
</OTA_AirBookRS>

```

4.11.4. Use Case 4*

4.11.4.1. Request: Cancellation of an entire booking file

Mr. Ironheart, Mr. King and Mr. Mueller are not able to travel at all. The entire booking must be cancelled.

OTA_AirBookModifyRQ4.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
SequenceNbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>

```



```

</POS>
<AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="1"/>
<AirReservation LastModified="2004-09-10T08:35:00">
  <Airtinerary DirectionInd="OneWay">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="LHR"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
        <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="ZRH"/>
          <ArrivalAirport LocationCode="JFK"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
      </OriginDestinationOption>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="JFK"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <OperatingAirline Code="AA" FlightNumber="0064"/>
          <MarketingAirline Code="LX"/>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
  </Airtinerary>
  <TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Jonathan</GivenName>
        <Surname>Ironheart</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Anthony</GivenName>
        <Surname>Mueller</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="3"/>
    </AirTraveler>
  </TravelerInfo>
</AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.4.2. Response: Cancelled booking file

The booking file was successfully cancelled.

OTA_AirBookRS6.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
  SequenceNbr="1" PrimaryLangID="en-us">
  <Success/>
  <AirReservation BookingReferenceID="ABCDEF" LastModified="2004-09-30T08:35:00"/>
</OTA_AirBookRS>
```

4.11.5. Use Case 5*

4.11.5.1. Request: Itinerary Modification

Mr. Ironheart, Mr. King and Mr Mueller are not able to travel on 30 Sep 04. They wish to travel on 2 Oct.04 instead on the same flight numbers. The segments LHR-ZRH and ZRH-JFK in L class are cancelled with Status="16". From LHR to ZRH L class is still available and the new flight segment is requested in L class on 2 Oct 04. From ZRH to JFK L class is no longer available so the passengers decide to fly C class.

Note: In the example below, the original seat and meal requests are automatically cancelled with the cancellation of the segments. If the passengers wish to request these services again, they have to be requested in the AirBookModifyRQ Element.

OTA_AirBookModifyRQ5.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
  SequenceNbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="16" NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
          <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="16" NumberInParty="3">
            <DepartureAirport LocationCode="ZRH"/>
            <ArrivalAirport LocationCode="JFK"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
  </AirBookModifyRQ>
</OTA_AirBookModifyRQ>
```

```

        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
    <FlightSegment DepartureDateTime="2005-10-02T08:35:00" ArrivalDateTime="2005-10-02T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="11" NumberInParty="3">
      <DepartureAirport LocationCode="LHR"/>
      <ArrivalAirport LocationCode="ZRH"/>
      <MarketingAirline Code="LX"/>
    </FlightSegment>
    <FlightSegment DepartureDateTime="2005-10-02T12:30:00" ArrivalDateTime="2005-10-02T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="C" Status="11" NumberInParty="3">
      <DepartureAirport LocationCode="ZRH"/>
      <ArrivalAirport LocationCode="JFK"/>
      <MarketingAirline Code="LX"/>
    </FlightSegment>
  </OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
  <Airtinerary DirectionInd="OneWay">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="LHR"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
        <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="ZRH"/>
          <ArrivalAirport LocationCode="JFK"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
    <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
      <DepartureAirport LocationCode="JFK"/>
      <ArrivalAirport LocationCode="ZRH"/>
      <OperatingAirline Code="AA" FlightNumber="0064"/>
      <MarketingAirline Code="LX"/>
    </FlightSegment>
  </OriginDestinationOption>
</OriginDestinationOptions>
</Airtinerary>
<TravelerInfo>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Bertram</GivenName>
      <Surname>King</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="1"/>
  </AirTraveler>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Jonathan</GivenName>
      <Surname>Ironheart</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="2"/>
  </AirTraveler>

```

```

    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Anthony</GivenName>
        <Surname>Mueller</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="3"/>
    </AirTraveler>
  </TravelerInfo>
</AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.5.2. Response: Updated Booking File

The booking file was successfully updated.

OTA_AirBookRS7.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
  <Success/>
  <AirReservation BookingReferenceID="ABCDEF" LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-10-02T08:35:00" ArrivalDateTime="2005-10-
02T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
          <FlightSegment DepartureDateTime="2005-10-02T12:30:00" ArrivalDateTime="2005-10-
02T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="C" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="ZRH"/>
            <ArrivalAirport LocationCode="JFK"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="JFK"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <OperatingAirline Code="AA" FlightNumber="0064"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Bertram</GivenName>
          <Surname>King</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="1"/>
      </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">

```

```

        <PersonName>
          <GivenName>Jonathan</GivenName>
          <Surname>Ironheart</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="2"/>
      </AirTraveler>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Anthony</GivenName>
          <Surname>Mueller</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
      </AirTraveler>
    </TravelerInfo>
  </AirReservation>
</OTA_AirBookRS>

```

4.11.6. Use Case 6*

4.11.6.1. Request: Modification of a seat or special service request

Mr. Mueller has changed his mind. He would prefer an Asian vegetarian meal to the western vegetarian meal already requested. Additionally, all three gentlemen require wheelchairs (WCHR) on all three segments.

OTA_AirBookModifyRQ6.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
  SequenceNbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
    <TravelerInfo>
      <SpecialReqDetails>
        <SpecialServiceRequests>
          <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="1" Status="16"/>
          <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="2" Status="16"/>
          <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="3" Status="16"/>
          <SpecialServiceRequest SSRCode="AVML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="1" Status="11"/>
          <SpecialServiceRequest SSRCode="AVML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="2" Status="11"/>
          <SpecialServiceRequest SSRCode="AVML" TravelerRefNumberRPHList="2"
            FlightRefNumberRPHList="3" Status="11"/>
          <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1"
            FlightRefNumberRPHList="1" Status="11"/>
          <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1"
            FlightRefNumberRPHList="2" Status="11"/>

```

```

        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1"
FlightRefNumberRPHList="3" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="2" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="3" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="3"
FlightRefNumberRPHList="1" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="3"
FlightRefNumberRPHList="2" Status="11"/>
        <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="3"
FlightRefNumberRPHList="3" Status="11"/>
    </SpecialServiceRequests>
</SpecialReqDetails>
</TravelerInfo>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
        <OriginDestinationOptions>
            <OriginDestinationOption>
                <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="LHR"/>
                    <ArrivalAirport LocationCode="ZRH"/>
                    <MarketingAirline Code="LX"/>
                    <MarriageGrp>1</MarriageGrp>
                </FlightSegment>
                <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="ZRH"/>
                    <ArrivalAirport LocationCode="JFK"/>
                    <MarketingAirline Code="LX"/>
                    <MarriageGrp>1</MarriageGrp>
                </FlightSegment>
            </OriginDestinationOption>
            <OriginDestinationOption>
                <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="JFK"/>
                    <ArrivalAirport LocationCode="ZRH"/>
                    <OperatingAirline Code="AA" FlightNumber="0064"/>
                    <MarketingAirline Code="LX"/>
                </FlightSegment>
            </OriginDestinationOption>
        </OriginDestinationOptions>
    </Airtinerary>
</TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Bertram</GivenName>
            <Surname>King</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Jonathan</GivenName>
            <Surname>Ironheart</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">

```

```

        <PersonName>
          <GivenName>Anthony</GivenName>
          <Surname>Mueller</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
      </AirTraveler>
    <SpecialReqDetails>
      <SpecialServiceRequests>
        <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1" Status="30">
          </SpecialServiceRequest>
        <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="2" Status="30">
          </SpecialServiceRequest>
        <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="3" Status="30">
          </SpecialServiceRequest>
        </SpecialServiceRequests>
      </SpecialReqDetails>
    </TravelerInfo>
  </AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.6.2. Request: Modified Booking file

The following section represents an optimized rendition of the SpecialServiceRequest elements in the AirBookModifyRQ Schema. This leverages the OTA ListOfRPH type that allows for multiple RPH values to be carried in a single field. This results in a more compact message, but may not be as readily understood. Trading partners may choose to use either of these approaches, depending on their needs.

OTA_AirBookRQ7.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
SequenceNmbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
    <TravelerInfo>
      <SpecialReqDetails>
        <SpecialServiceRequests>
          <SpecialServiceRequest SSRCode="VGML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1 2 3" Status="16"/>
          <SpecialServiceRequest SSRCode="AVML" TravelerRefNumberRPHList="2"
FlightRefNumberRPHList="1 2 3" Status="11"/>
          <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1 2 3"
FlightRefNumberRPHList="1 2 3" Status="11"/>
        </SpecialServiceRequests>
      </SpecialReqDetails>
    </TravelerInfo>
  </AirBookModifyRQ>
</OTA_AirBookModifyRQ>

```


4.11.6.3. Response: Modified Booking file

The transaction was processed, but Asian vegetarian meals are not offered on the flights, therefore a warning was issued (code 115):

OTA_AirBookRS8.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
SequenceNmbr="1" PrimaryLangID="en-us">
<Success/>
<Warnings>
  <Warning Type="1" Code="115"/>
</Warnings>
<AirReservation LastModified="2004-09-30T08:35:00">
  <Airtinerary DirectionInd="OneWay">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="LHR"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
        <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="ZRH"/>
          <ArrivalAirport LocationCode="JFK"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
      </OriginDestinationOption>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="JFK"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <OperatingAirline Code="AA" FlightNumber="0064"/>
          <MarketingAirline Code="LX"/>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
  </Airtinerary>
  <TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Jonathan</GivenName>
        <Surname>Ironheart</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
```



```

        <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Anthony</GivenName>
            <Surname>Mueller</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
    </AirTraveler>
    <SpecialReqDetails>
        <SpecialServiceRequests>
            <SpecialServiceRequest SSRCode="WCHR" TravelerRefNumberRPHList="1 2 3"
FlightRefNumberRPHList="1 2 3" Status="30"/>
        </SpecialServiceRequests>
    </SpecialReqDetails>
</TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

4.11.7. Use Case 7*

4.11.7.1. Request: Modification of Other Service Information

Mr. King has been recognized as a VIP on the original booking. It is later realized that he is actually a CIP who gets a different treatment. The original OSI VIP must be deleted and a new OSI CIP must be added to the booking. Additionally an OSI with the language code is supplied.

Note: The sending of the original OSI VIP in the element AirReservation is optional.

OTA_AirBookModifyRQ8.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.00"
SequenceNbr="1" PrimaryLangID="en-us">
    <POS>
        <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
            <RequestorID Type="13" ID="12345678"/>
        </Source>
    </POS>
    <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
        <TravelerInfo>
            <SpecialReqDetails>
                <OtherServiceInformations>
                    <OtherServiceInformation Operation="Delete">
                        <TravelerRefNumber RPH="1"/>
                        <Airline Code="LX"/>
                        <Text>1VIP 1KING/BMR</Text>
                    </OtherServiceInformation>
                    <OtherServiceInformation Operation="Add">
                        <TravelerRefNumber RPH="1"/>
                        <Airline Code="LX"/>
                        <Text>1CIP 1KING/BMR</Text>
                    </OtherServiceInformation>
                </OtherServiceInformations>
            </SpecialReqDetails>
        </TravelerInfo>
    </AirBookModifyRQ>
</OTA_AirBookModifyRQ>

```

```

        <OtherServiceInformation Operation="Add">
          <TravelerRefNumber RPH="1"/>
          <Airline Code="LX"/>
          <Text>Language German</Text>
        </OtherServiceInformation>
      </OtherServiceInformations>
    </SpecialReqDetails>
  </TravelerInfo>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
  <Airtinerary DirectionInd="OneWay">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="LHR"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
        <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="ZRH"/>
          <ArrivalAirport LocationCode="JFK"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
    <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
      <DepartureAirport LocationCode="JFK"/>
      <ArrivalAirport LocationCode="ZRH"/>
      <OperatingAirline Code="AA" FlightNumber="0064"/>
      <MarketingAirline Code="LX"/>
    </FlightSegment>
  </OriginDestinationOption>
</Airtinerary>
  <TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Jonathan</GivenName>
        <Surname>Ironheart</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Anthony</GivenName>
        <Surname>Mueller</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="3"/>
    </AirTraveler>
  </TravelerInfo>
</AirReservation>

```

```
</OTA_AirBookModifyRQ>
```

4.11.7.2. Response: Modified Booking File

The booking file was successfully updated.

OTA_AirBookRS9.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
  <Success/>
  <AirReservation BookingReferenceID="ABCDEF" LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
          <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="ZRH"/>
            <ArrivalAirport LocationCode="JFK"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
        </OriginDestinationOption>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="JFK"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <OperatingAirline Code="AA" FlightNumber="0064"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Bertram</GivenName>
          <Surname>King</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="1"/>
      </AirTraveler>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Jonathan</GivenName>
          <Surname>Ironheart</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="2"/>
      </AirTraveler>
      <AirTraveler PassengerTypeCode="ADT">
```

```

        <PersonName>
          <GivenName>Anthony</GivenName>
          <Surname>Mueller</Surname>
          <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
      </AirTraveler>
    <SpecialReqDetails>
      <OtherServiceInformations>
        <OtherServiceInformation RPH="1">
          <TravelerRefNumber RPH="1"/>
          <Airline Code="LX"/>
          <Text>1CIP 1KING/BMR</Text>
        </OtherServiceInformation>
        <OtherServiceInformation RPH="2">
          <TravelerRefNumber RPH="1"/>
          <Airline Code="LX"/>
          <Text>Language German</Text>
        </OtherServiceInformation>
      </OtherServiceInformations>
    </SpecialReqDetails>
  </TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

4.11.8. Use Case 8*

4.11.8.1. Request: Modification of Remarks

The existing remarks that the passenger is unable to travel on the original date have to be deleted (RPH 3 and 4). A new remark must be added indicating that the passenger has been informed about travel insurance information, in-flight amenities, etc.

Note: Any other existing remarks remain unchanged; they can optionally be sent in the AirReservation element.

OTA_AirBookModifyRQ9.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
  SequenceNmbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
    <TravelerInfo>
      <SpecialReqDetails>
        <Remarks>
          <Remark RPH="3" Operation="Delete">Passenger unable to travel on original
date.</Remark>
          <Remark RPH="4" Operation="Delete">Passenger is traveling a day later</Remark>
          <Remark Operation="Add">Passenger has been advised about insurance</Remark>
        </Remarks>

```

```

        </SpecialReqDetails>
    </TravelerInfo>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
        <OriginDestinationOptions>
            <OriginDestinationOption>
                <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="LHR"/>
                    <ArrivalAirport LocationCode="ZRH"/>
                    <MarketingAirline Code="LX"/>
                    <MarriageGrp>1</MarriageGrp>
                </FlightSegment>
                <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="ZRH"/>
                    <ArrivalAirport LocationCode="JFK"/>
                    <MarketingAirline Code="LX"/>
                    <MarriageGrp>1</MarriageGrp>
                </FlightSegment>
            </OriginDestinationOption>
            <OriginDestinationOption>
                <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
                    <DepartureAirport LocationCode="JFK"/>
                    <ArrivalAirport LocationCode="ZRH"/>
                    <OperatingAirline Code="AA" FlightNumber="0064"/>
                    <MarketingAirline Code="LX"/>
                </FlightSegment>
            </OriginDestinationOption>
        </OriginDestinationOptions>
    </Airtinerary>
    <TravelerInfo>
        <AirTraveler PassengerTypeCode="ADT">
            <PersonName>
                <GivenName>Bertram</GivenName>
                <Surname>King</Surname>
                <NameTitle>Mr</NameTitle>
            </PersonName>
            <TravelerRefNumber RPH="1"/>
        </AirTraveler>
        <AirTraveler PassengerTypeCode="ADT">
            <PersonName>
                <GivenName>Jonathan</GivenName>
                <Surname>Ironheart</Surname>
                <NameTitle>Mr</NameTitle>
            </PersonName>
            <TravelerRefNumber RPH="2"/>
        </AirTraveler>
        <AirTraveler PassengerTypeCode="ADT">
            <PersonName>
                <GivenName>Anthony</GivenName>
                <Surname>Mueller</Surname>
                <NameTitle>Mr</NameTitle>
            </PersonName>
            <TravelerRefNumber RPH="3"/>
        </AirTraveler>
    </SpecialReqDetails>
    <Remarks>
        <Remark RPH="1">Passengers are traveling for test purposes only</Remark>
        <Remark RPH="2">Do not delete this booking</Remark>
        <Remark RPH="3">Passenger unable to travel on original date.</Remark>
        <Remark RPH="4">Passenger is traveling a day later</Remark>
    </Remarks>
</SpecialReqDetails>

```

```

    </TravelerInfo>
  </AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.8.2. Response: Modified Booking File

The booking file was successfully updated.

OTA_AirBookRS10.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
  us">
  <Success/>
  <AirReservation LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
          <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTIme="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="ZRH"/>
            <ArrivalAirport LocationCode="JFK"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
        </OriginDestinationOption>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="JFK"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <OperatingAirline Code="AA" FlightNumber="0064"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
  <TravelerInfo>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Jonathan</GivenName>
        <Surname>Ironheart</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="2"/>
    </AirTraveler>
  </TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

```

</AirTraveler>
<AirTraveler PassengerTypeCode="ADT">
  <PersonName>
    <GivenName>Anthony</GivenName>
    <Surname>Mueller</Surname>
    <NameTitle>Mr</NameTitle>
  </PersonName>
  <TravelerRefNumber RPH="3"/>
</AirTraveler>
<SpecialReqDetails>
  <Remarks>
    <Remark RPH="1">Passengers are traveling for test purposes only</Remark>
    <Remark RPH="2">Do not delete this booking</Remark>
    <Remark RPH="3">Passenger has been advised about insurance</Remark>
  </Remarks>
</SpecialReqDetails>
</TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

4.11.9. Use Case 9*

4.11.9.1. Request: Modification of elements in AirTraveler

Mr. King has supplied a new telephone number 01 812 00 73 (i.e., the old telephone number has to be cancelled and the new one added.) Additionally, he supplied his new email address (b.king@email.com) as well as his frequent flyer membership number (LX-23423443), which have to be added to the booking. The old eMail address (b.king@eemail.com) needs to be deleted.

He also would like his new address to be stored in the booking file (i.e., the old address has to be deleted and the new one to be added.)

Note: The individual child elements of the address cannot be modified. For any change of any of the address elements, the full address has to be deleted and the full new address has to be added.

OTA_AirBookModifyRQ10.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookModifyRQ 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_AirBookModifyRQ.xsd" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production" Version="1.000"
  SequenceNmbr="1" PrimaryLangID="en-us">
  <POS>
    <Source PseudoCityCode="H1L" ISOCountry="CH" ISOCurrency="CHF" AirlineVendorID="XY"
      AirportCode="ZRH" ERSP_UserID="1234567890" TerminalID="019293893">
      <RequestorID Type="13" ID="12345678"/>
    </Source>
  </POS>
  <AirBookModifyRQ BookingReferenceID="ABCDEF" ModificationType="5">
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
          <GivenName>Bertram</GivenName>
          <Surname>King</Surname>

```

```

        <NameTitle>Mr</NameTitle>
      </PersonName>
      <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="043 317 36 75"
Operation="Delete"/>
      <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="01 812 00 73"
Operation="Add"/>
      <Email EmailType="2" Operation="Delete">b.king@eemail.com</Email>
      <Email EmailType="2" Operation="Add">b.king@email.com</Email>
      <Address FormattedInd="false" Type="1" Operation="Delete">
        <AddressLine>Hauptstrasse 37b</AddressLine>
        <AddressLine>8302 Kloten</AddressLine>
        <AddressLine>Switzerland</AddressLine>
      </Address>
      <Address FormattedInd="false" Type="1" Operation="Add">
        <AddressLine>Zeltweg 3a</AddressLine>
        <AddressLine>8302 Kloten</AddressLine>
        <AddressLine>Switzerland</AddressLine>
      </Address>
      <CustLoyalty ProgramID="LX" MembershipID="234234343" LoyalLevel="Platinum"
Operation="Add" VendorCode="LX"/>
      <TravelerRefNumber RPH="1"/>
    </AirTraveler>
  </TravelerInfo>
</AirBookModifyRQ>
<AirReservation LastModified="2004-09-30T08:35:00">
  <Airtinerary DirectionInd="OneWay">
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="LHR"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
        <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="ZRH"/>
          <ArrivalAirport LocationCode="JFK"/>
          <MarketingAirline Code="LX"/>
          <MarriageGrp>1</MarriageGrp>
        </FlightSegment>
      </OriginDestinationOption>
      <OriginDestinationOption>
        <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
          <DepartureAirport LocationCode="JFK"/>
          <ArrivalAirport LocationCode="ZRH"/>
          <OperatingAirline Code="AA" FlightNumber="0064"/>
          <MarketingAirline Code="LX"/>
        </FlightSegment>
      </OriginDestinationOption>
    </OriginDestinationOptions>
  </Airtinerary>
</TravelerInfo>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Bertram</GivenName>
      <Surname>King</Surname>
      <NameTitle>Mr</NameTitle>
    </PersonName>
    <TravelerRefNumber RPH="1"/>
  </AirTraveler>
  <AirTraveler PassengerTypeCode="ADT">
    <PersonName>
      <GivenName>Jonathan</GivenName>

```



```

        <Surname>Ironheart</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
      <PersonName>
        <GivenName>Anthony</GivenName>
        <Surname>Mueller</Surname>
        <NameTitle>Mr</NameTitle>
      </PersonName>
      <TravelerRefNumber RPH="3"/>
    </AirTraveler>
  </TravelerInfo>
</AirReservation>
</OTA_AirBookModifyRQ>

```

4.11.9.2. Response: Modified Booking File

The booking file was successfully updated.

OTA_AirBookRS11.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_AirBookRS 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_AirBookRS.xsd" Cancel="false" TimeStamp="2005-01-31T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
  <Success/>
  <AirReservation BookingReferenceID="ABCDEF" LastModified="2004-09-30T08:35:00">
    <Airtinerary DirectionInd="OneWay">
      <OriginDestinationOptions>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-09-30T08:35:00" ArrivalDateTime="2005-09-
30T11:25:00" RPH="1" FlightNumber="317" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="LHR"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
          <FlightSegment DepartureDateTime="2005-09-30T12:30:00" ArrivalDateTime="2005-09-
30T15:10:00" RPH="2" FlightNumber="16" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="ZRH"/>
            <ArrivalAirport LocationCode="JFK"/>
            <MarketingAirline Code="LX"/>
            <MarriageGrp>1</MarriageGrp>
          </FlightSegment>
        </OriginDestinationOption>
        <OriginDestinationOption>
          <FlightSegment DepartureDateTime="2005-10-10T17:20:00" ArrivalDateTime="2005-11-
10T07:05:00" RPH="3" FlightNumber="3001" ResBookDesigCode="L" Status="30" NumberInParty="3">
            <DepartureAirport LocationCode="JFK"/>
            <ArrivalAirport LocationCode="ZRH"/>
            <OperatingAirline Code="AA" FlightNumber="0064"/>
            <MarketingAirline Code="LX"/>
          </FlightSegment>
        </OriginDestinationOption>
      </OriginDestinationOptions>
    </Airtinerary>
    <TravelerInfo>
      <AirTraveler PassengerTypeCode="ADT">
        <PersonName>

```

```

        <GivenName>Bertram</GivenName>
        <Surname>King</Surname>
        <NameTitle>Mr</NameTitle>
    </PersonName>
    <Telephone PhoneLocationType="5" PhoneTechType="1" PhoneNumber="01 812 00 73"
Operation="Add"/>
    <Email EmailType="2" Operation="Add">b.king@email.com</Email>
    <Address FormattedInd="false" Type="1" Operation="Add">
        <AddressLine>Zeltweg 3a</AddressLine>
        <AddressLine>8302 Kloten</AddressLine>
        <AddressLine>Switzerland</AddressLine>
    </Address>
    <CustLoyalty ProgramID="LX" MembershipID="234234343" LoyalLevel="Platinum"
VendorCode="LX"/>
    <TravelerRefNumber RPH="1"/>
</AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Jonathan</GivenName>
            <Surname>Ironheart</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="2"/>
    </AirTraveler>
    <AirTraveler PassengerTypeCode="ADT">
        <PersonName>
            <GivenName>Anthony</GivenName>
            <Surname>Mueller</Surname>
            <NameTitle>Mr</NameTitle>
        </PersonName>
        <TravelerRefNumber RPH="3"/>
    </AirTraveler>
</TravelerInfo>
</AirReservation>
</OTA_AirBookRS>

```

Section 5—Car Messages

5.1. OTA_VehAvailRateRQ/RS

The Availability with Rates message set is intended for a simple reservation. This message set assumes the customer has already performed a location search and has found a specific rental branch.

The Availability with Rates message could be used in any of the following circumstances:

- Customer is performing a simple booking and will come into the branch office to pick-up and drop off the vehicle.
- Customer requires a pick-up service at his/her home or office. In this case the Off Location Services element can be used to provide basic address information as well as special instructions.
- Customer requires a delivery and collection service, where a car will be delivered to a specific location and the keys left in a secure place. Again, the Off Location Services element can be used to hold address information as well as special instructions.

Only one set of date/times may be sent for the availability message. Multiple dates and times will require multiple messages.

Special equipment, such as hand controls or a baby seat can be accommodated through this message set. Special equipment may be associated with a specific car or, rather than as part of the more general reservation. Special circumstances such as chauffeur-driven cars are not accommodated in this message.

5.1.1. Use Case 1

5.1.1.1. Request: Vehicle Availability Rate

Joe Bailey is arriving at London Heathrow Airport on December 12. He has gone to Fun Travel's web site to shop rates for a Hertz rental. He would like to know the rate for a compact 4-door car with automatic transmission and air-conditioning. He would also like a child seat. He is arriving on December 12 on American Airlines flight 2935 and will pick up the car at 10:30 a.m. He will return the car on December 20 at 10:30 a.m.

OTA_VehAvailRateRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehAvailRateRQ 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_VehAvailRateRQ.xsd" Version="1.002">
```

```

<POS>
  <Source ISOCountry="US" ISOCurrency="USD">
    <RequestorID Type="5" ID="12345678"/>
  </Source>
  <Source>
    <RequestorID Type="4" ID="1A2B">
      <CompanyName>FunTravel</CompanyName>
    </RequestorID>
  </Source>
</POS>
<VehAvailRQCore Status="Available">
  <VehRentalCore PickupDateTime="2003-12-12T10:30:00" ReturnDateTime="2003-12-
20T10:30:00">
    <PickUpLocation LocationCode="LHR"/>
    <ReturnLocation LocationCode="LHR"/>
  </VehRentalCore>
  <VendorPrefs>
    <VendorPref CompanyShortName="Hertz" Code="ZE" PreferLevel="Preferred"/>
  </VendorPrefs>
  <VehPrefs>
    <VehPref AirConditionInd="true" TransmissionType="Automatic" AirConditionPref="Only"
TransmissionPref="Only">
      <VehType VehicleCategory="1" DoorCount="4"/>
      <VehClass Size="4"/>
    </VehPref>
  </VehPrefs>
  <SpecialEquipPrefs>
    <SpecialEquipPref EquipType="8" Quantity="1"/>
  </SpecialEquipPrefs>
</VehAvailRQCore>
<VehAvailRQInfo>
  <Customer>
    <Primary>
      <PersonName>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
    </Primary>
  </Customer>
  <ArrivalDetails TransportationCode="14" Number="2935">
    <OperatingCompany Code="AA"/>
  </ArrivalDetails>
</VehAvailRQInfo>
</OTA_VehAvailRateRQ>

```

5.1.1.2. Response: Vehicle Availability Rate

Hertz responds with the following information:

Recap of rental information

Pickup Date/Time:	12/12/2003 at 10:30 a.m.
Return Date/Time:	12/20/2003 at 10:00 a.m.
Pickup/Return Location:	LHR
Vehicle Information:	Compact 4-door car with automatic transmission and a/c.

Rental Rate Information:

Mileage:	Unlimited
Base Rate Total:	USD \$200.00
Tax Information:	USD \$24.00 / 12%

Rate Breakdown:	\$150.00 per week / \$50.00 per day
Rate Category/Plan:	Leisure - ABC123
Estimated Total:	USD \$324.00
Equipment Charges:	USD \$25.00 - \$25.00/week - \$5.00/day – charge not included in rate
Fees:	1 @ \$25 and 1 @ \$75
Coverages:	CDW (7), LIS (27) and PPI (38) are all included in the rental rate
Rules:	Prepayment is required in the amount of USD \$324.00

Additional Information:

Hertz has returned a vendor message to advise the customer that the rate returned requires prepayment.

OTA_VehAvailRateRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehAvailRateRS 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_VehAvailRateRS.xsd" Version="2.001">
  <Success/>
  <VehAvailRSCore>
    <VehRentalCore PickupDateTime="2003-12-12T10:30:00" ReturnDateTime="2003-12-20T10:00:00">
      <PickUpLocation LocationCode="LHR"/>
      <ReturnLocation LocationCode="LHR"/>
    </VehRentalCore>
    <VehVendorAvails>
      <VehVendorAvail>
        <Vendor Code="ZE"/>
      </VehVendorAvail>
    </VehVendorAvails>
    <VehAvails>
      <VehAvail>
        <VehAvailCore Status="Available">
          <Vehicle AirConditionInd="true" TransmissionType="Automatic">
            <VehType VehicleCategory="1" DoorCount="4"/>
            <VehClass Size="4"/>
          </Vehicle>
          <RentalRate>
            <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
            <VehicleCharges>
              <VehicleCharge Amount="200.00" CurrencyCode="USD" TaxInclusive="false"
GuaranteedInd="true" Purpose="1">
                <TaxAmounts>
                  <TaxAmount Total="24.00" CurrencyCode="USD" Percentage="12.00"
Description="Tax"/>
                </TaxAmounts>
              </VehicleCharge>
              <Calculation UnitCharge="150.00" UnitName="Week" Quantity="1"/>
              <Calculation UnitCharge="50.00" UnitName="Day" Quantity="1"/>
            </VehicleCharges>
            <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
          </RentalRate>
          <TotalCharge RateTotalAmount="200.00" EstimatedTotalAmount="324.00"
CurrencyCode="USD"/>
          <PricedEquips>
            <PricedEquip>
              <Equipment EquipType="8"/>
              <Charge Amount="30.00" CurrencyCode="USD" TaxInclusive="false"
IncludedInRate="false">
                <TaxAmounts>
```

```

        <TaxAmount Total="3.90" CurrencyCode="USD" Percentage="12.00"/>
    </TaxAmounts>
    <Calculation UnitCharge="25.00" UnitName="Week" Quantity="1"/>
    <Calculation UnitCharge="5.00" UnitName="Day" Quantity="1"/>
    </Charge>
</PricedEquip>
</PricedEquips>
<Fees>
    <Fee Amount="25.00" CurrencyCode="USD" TaxInclusive="false"
Description="SURCHARGE A:" Purpose="5"/>
    <Fee Amount="75.00" CurrencyCode="USD" TaxInclusive="false"
Description="SURCHARGE B:" Purpose="5"/>
</Fees>
</VehAvailCore>
<VehAvailInfo>
    <PricedCoverages>
        <PricedCoverage>
            <Coverage CoverageType="7"/>
            <Charge Amount="00.00" TaxInclusive="true" IncludedInRate="true"/>
        </PricedCoverage>
        <PricedCoverage>
            <Coverage CoverageType="27"/>
            <Charge Amount="00.00" TaxInclusive="true" IncludedInRate="true"/>
        </PricedCoverage>
        <PricedCoverage>
            <Coverage CoverageType="38"/>
            <Charge Amount="00.00" TaxInclusive="true" IncludedInRate="true"/>
        </PricedCoverage>
    </PricedCoverages>
    <PaymentRules>
        <PaymentRule Amount="324.00" CurrencyCode="USD" RuleType="3"/>
    </PaymentRules>
</VehAvailInfo>
</VehAvail>
</VehAvails>
<Info>
    <VendorMessages>
        <VendorMessage InfoType="4">
            <SubSection>
                <Paragraph>
                    <Text>THIS RATE REQUIRES PREPAYMENT</Text>
                </Paragraph>
            </SubSection>
        </VendorMessage>
    </VendorMessages>
</Info>
</VehVendorAvail>
</VehVendorAvails>
</VehAvailRSCore>
</OTA_VehAvailRateRS>

```

5.2. OTA_VehCancelRQ/RS

The Vehicle Cancel message set has been extended from the generic OTA cancel functionality. To cancel a reservation, the trading partner or customer must provide the supplier or integrator with the exact Unique ID. If the Unique ID is unknown, the trading partner may use the Retrieve Reservation message set to search for an exact match. The Vehicle Cancel message set does not require a Retrieve Reservation message. Some suppliers may require a Retrieve Reservation message to be used prior to a Cancel message. The Vehicle Cancel

message set can only be used to cancel a single, specific reservation; it cannot be used to cancel multiple reservations at one time.

The generic cancel response message was extended to provide additional details of the vehicle reservation information to the customer. This will aid the customer in understanding the consequences of a cancellation message.

A Vehicle Cancel message set can be a single phase or two-phase approach. In a single-phase message the customer simply requests to “cancel this reservation”. A two-phase message introduces the concept of a “what if” question (what if I cancel this reservation?). The response to the first phase will identify any penalties, any subsequent costs, etc. The second phase is where the action is confirmed to “go ahead and complete the request” or “ignore the request I just sent.”

The purpose of the request message is indicated using the Type Attribute:

- **Initiate**—indicates the initial request
- **Ignore**—stop the request
- **Confirm**—to complete the modification

The state of the reservation is then indicated in the response message using the Status Attribute:

- **Pending**—cancellation is possible but not completed
- **Ignored**—cancellation ignored
- **Cancelled**—cancellation completed

5.2.1. Use Case 1

5.2.1.1. Request: Vehicle Cancel Reservation without Penalties

Mike Pires has previously made a vehicle reservation with Alamo (AL) via a tour site (CarTour - IATA #11223344), but he now needs to cancel the reservation. He knows his reservation confirmation number (27371319), and pick-up/drop-off locations (FLLT01). He sends a request to cancel his reservation.

OTA_VehCancelRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCancelRQ 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_VehCancelRQ.xsd" Version="1.002">
  <POS>
    <Source>
      <RequestorID Type="11" ID="111222"/>
    </Source>
    <Source>
      <RequestorID Type="16" ID="11223344"/>
    </Source>
  </POS>
  <VehCancelRQCore CancelType="Book">
    <UniqueID Type="15" ID="27371319"/>
  </VehCancelRQCore>
</OTA_VehCancelRQ>
```

```

    <PersonName>
      <GivenName>MIKE</GivenName>
      <Surname>PIRES</Surname>
    </PersonName>
  </VehCancelRQCore>
</VehCancelRQInfo>
  <RentalInfo>
    <PickUpLocation LocationCode="FLLT01"/>
    <ReturnLocation LocationCode="FLLT01"/>
  </RentalInfo>
</VehCancelRQInfo>
</OTA_VehCancelRQ>

```

5.2.1.2. Response: Vehicle Reservation CancelConfirmed

Alamo returns a response containing the new status of cancelled and echoes back the renter's first and last name (Mike Pires), along with the original confirmation number (27371319), and the pick-up/drop-off location IDs.

OTA_VehCancelRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCancelRS 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_VehCancelRS.xsd" Version="2.001">
  <Success/>
  <VehCancelRSCore CancelStatus="Cancelled"/>
  <VehCancelRSInfo>
    <VehReservation>
      <Customer>
        <Primary>
          <PersonName>
            <GivenName>MIKE</GivenName>
            <Surname>PIRES</Surname>
          </PersonName>
        </Primary>
      </Customer>
      <VehSegmentCore>
        <ConfID Type="16" ID="27371319"/>
        <VehRentalCore>
          <PickUpLocation LocationCode="FLLT01"/>
          <ReturnLocation LocationCode="FLLT01"/>
        </VehRentalCore>
        <Vehicle/>
      </VehSegmentCore>
    </VehReservation>
  </VehCancelRSInfo>
</OTA_VehCancelRS>

```

5.3. OTA_VehCheckOutRQ/RS

The goal of the Check Out Request message is to provide all the data fields needed to capture the pertinent detail data related to renting a specific car to a customer, and send that information to automated systems that have a “need to know” that a rental vehicle was “checked out.” This would include rental location, customer information, payment information, intended length of rental, and monetary amounts for vehicle rental, surcharges, fees, taxes, insurance, and ancillary services and equipment. The “need to know” systems could be travel agent, car rental agency inventory management, or OTA travel partner hosted systems.

The goal of the CheckOut Response message is to confirm that the rental agreement is active or to request additional information.

Vehicle Check Out messages could be used in any of the following circumstances:

- Initiate a Check Out transaction utilizing an existing reservation
- Initiate a Check Out transaction without an existing reservation, based on a vehicle request

Only one “vehicle rental” request at a time may be made with the Vehicle Check Out. The response will include any legal wording related to the rental transaction.

5.3.1. Use Case 1

5.3.1.1. Request: Vehicle CheckOut

Mr. Joe Bailey would like to checkout an Intermediate car (with automatic transmission and air conditioning) in Oklahoma City. He has a reservation at Hertz for a 4-door car and will need a child seat. He arrives in Oklahoma City on American Airlines flight 1234 at the Oklahoma City Airport on November 1 at 10:30 a.m. The reservation includes an American Airlines frequent flyer number.

The counter agent pulls up the reservation and opens a Check-Out Request Message. Reservation data is pulled into the Check-Out message and the agent swipes the Visa card that will be used for the rental. The agent collects the following information from the customer:

Reservation number: C21358AC036

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Alternate Contact number: 405-555-1212

Credit card number, type and expiration date: Visa 48484848484849999, 9/09

After talking to the agent, Mr. Bailey agrees to accept the Collision Damage Waiver.

A checkout request message is sent with the following data:

Name: Mr. Joe Bailey

Reservation number: C21358AC036

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Contact number: 405-555-1212 (Customer’s cell phone)

Checkout Location: OKC

Checkout Date/Time: 11/1/05, 10:30 am

Expected Return Location: OKC

Expected Return Date/Time: 11/09/05 10:00 am

Vehicle Asset Number: Car054

Mileage: 4560

Fuel level: full (need to reference enumeration annotation)

Credit card number, type and expiration date: Visa 48484848484849999, 9/09

Equipment Preference: Infant/Toddler Car seat

Coverage Preference: Collision Damage Waiver

Terminal ID: T549k

Agent ID: E3549K

OTA_VehCheckOutRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRQ 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_VehCheckOutRQ.xsd" Version="1.0">
  <POS>
    <Source AgentSine="E3549K" TerminalID="T549K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
      <!--Code value of 5 indicates this is a mobile phone-->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
        DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    </Primary>
  </Customer>
  <PickUpReturnDetails PickUpDateTime="2005-11-01T10:30:00" ReturnDateTime="2005-11-
    09T10:00:00">
    <PickUpLocation LocationCode="OKC"/>
    <ReturnLocation LocationCode="OKC"/>
  </PickUpReturnDetails>
  <VehPref AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="1"/>
    <VehClass Size="6"/>
  </VehPref>
  <VehIdentity VehicleAssetNumber="Car054"/>
  <VehDetailsOut>
    <FuelLevelDetails FuelLevelValue="8"/>
    <!--Fuel is measured in 1/8 increments; 8 in FuelLevelValue represents a full tank-->
    <OdometerReading UnitOfMeasureQuantity="4560" UnitOfMeasure="Miles"/>
  </VehDetailsOut>
</OTA_VehCheckOutRQ>
```

```

<SpecialEquipPrefs>
  <SpecialEquipPref EquipType="8" Quantity="1"/>
</SpecialEquipPrefs>
<ConfID Type="14" ID="C21358AC036"/>
<VehRentalAdditionalInfo>
  <CoveragePrefs>
    <CoveragePref CoverageType="7"/>
  </CoveragePrefs>
  <RentalPaymentPref>
    <PaymentCard CardType="1" CardCode="VI" CardNumber="48484848484849999"
    ExpireDate="0909"/>
  </RentalPaymentPref>
</VehRentalAdditionalInfo>
</OTA_VehCheckOutRQ>

```

5.3.1.2. Response: Vehicle CheckOut

A CheckOutRS message returns with the following data

Name: Mr. Joe Bailey

Confirmation number: C21358AC036

Rental Agreement/Contract number: 123456789

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Contact number: 405-555-1212 (Cell Phone)

Checkout Location: OKC

Vendor: Hertz

Checkout Location address: 7100 Terminal Drive, Unit 966, OKC 73159-0966

Checkout Location phone: 405-685-4193

Checkout Date/Time: 11/1/05, 10:30 am

Expected Return Location: OKC

Expected Return Date/Time: 11/09/05 10:00 am

Credit card number, type and expiration date: Visa xxxxxxxxxxxxxx9999, 9/09

Authorized Deposit \$200

PricedEquipment: Infant/Toddler Car seat @ \$4.00/day

PricedCoverage: Collision Damage Waiver @ 9.99/day

Estimated Charges:

Mileage: Unlimited

Base rate total: USD \$200.00

Tax information: 12%

Rate Breakdown: \$150/week and \$50/day

RateCategoryPlan: Leisure – ABC123

EquipmentCharges: \$32

**Special equipment is not included in the rental rate and the rate returned does not include tax

CDW: \$79.92

***CDW is not included in the rental rate and the rate returned does not include tax.

Vehicle Information

Vehicle Class: Intermediate

Vehicle Asset Number: Car054

Mileage: 4560

Fuel level: full

VIN: 363636363636363636V

Year, make, model: 2004 Mazda 626

Color: white

VehLicenseNumber and state: OK 335ZBL

Stall Number: 8

Terminal ID: T549k

Agent ID: E3549K

OTA_VehCheckOutRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRS 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_VehCheckOutRS.xsd" Version="1.0">
  <Success/>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
      <!--Coded value of 5 in PhoneTechType indicates this is the customer's mobile phone-->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    </Primary>
  </Customer>
</OTA_VehCheckOutRS>
```

```

</Customer>
<VehRentalTransaction>
  <PickUpReturnDetails PickUpDateTime="2005-11-01T10:30:00" ReturnDateTime="2005-11-
09T10:00:00">
    <PickUpLocation LocationCode="OKC"/>
    <ReturnLocation LocationCode="OKC"/>
  </PickUpReturnDetails>
  <Vehicle AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="1"/>
    <VehClass Size="6"/>
    <VehMakeModel Name="Mazda 626" ModelYear="2004"/>
    <VehIdentity VehicleAssetNumber="Car054" LicensePlateNumber="335ZBL"
StateProvCode="OK" CountryCode="US" VehicleID_Number="363636363636363636V"
VehicleColor="white"/>
    <VehRentalDetails ParkingLocation="8">
      <FuelLevelDetails FuelLevelValue="8"/>
      <!--Fuel is measured in 1/8 increments; 8 in FuelLevelValue represents a full tank-->
      <OdometerReading UnitOfMeasureQuantity="4560" UnitOfMeasure="Miles"/>
    </VehRentalDetails>
  </Vehicle>
  <RentalRate>
    <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
    <VehicleCharges>
      <VehicleCharge Amount="200.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="1">
        <TaxAmounts>
          <TaxAmount Total="24.00" CurrencyCode="USD" Percentage="12"/>
        </TaxAmounts>
        <Calculation UnitCharge="150.00" UnitName="Week" Quantity="1"/>
        <Calculation UnitCharge="50.00" UnitName="Day" Quantity="1"/>
      </VehicleCharge>
    </VehicleCharges>
    <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
  </RentalRate>
  <PricedEquips>
    <PricedEquip>
      <Equipment EquipType="8">
        </Equipment>
        <Charge Amount="32.00" IncludedInRate="false" TaxInclusive="false">
          <Calculation Quantity="8" UnitCharge="4.00" UnitName="Day"/>
        </Charge>
      </PricedEquip>
    </PricedEquips>
    <ConfID Type="14" ID="C21358AC036"/>
    <ContractID Type="8" ID="123456789"/>
  </VehRentalTransaction>
  <VehAdditionalInfo>
    <RentalPaymentAmount PaymentTransactionTypeCode="reserve">
      <PaymentCard CardType="VI" CardNumber="48484848484849999"
ExpireDate="0904"/>
      <PaymentAmount Amount="200.00" CurrencyCode="USD"/>
    </RentalPaymentAmount>
    <PricedCoverages>
      <PricedCoverage>
        <Coverage CoverageType="7"/>
        <Charge Amount="79.92" IncludedInRate="false" TaxInclusive="false">
          <Calculation Quantity="8" UnitName="Day" UnitCharge="9.99"/>
        </Charge>
      </PricedCoverage>
    </PricedCoverages>
    <LocationDetails AtAirport="true" Code="OKOKC11">
      <Address>
        <AddressLine>7100 Terminal Drive</AddressLine>
        <AddressLine>Unit 966</AddressLine>
        <CityName>Oklahoma City</CityName>
      </Address>
    </LocationDetails>
  </VehAdditionalInfo>
</VehRentalTransaction>

```

```

        <PostalCode>73159-0966</PostalCode>
        <StateProv StateCode="OK"/>
    </Address>
    <Telephone PhoneNumber="405-685-4193"/>
</LocationDetails>
</VehAdditionalInfo>
</OTA_VehCheckOutRS>

```

5.3.2. Use Case 2 *

5.3.2.1. Request: Vehicle CheckOut

Mr. Joe Bailey checked out a Hertz rental car on November 1. He has returned to a Hertz rental counter on November 5 to add his brother, Curtis Smith as an additional driver. Mr. Smith only needs to drive the car for one day, until November 6. Mr. Smith is an employee of Smith Marketing with a Corporate Discount Number of 987789 and has produced a Round Trip airline ticket to qualify as an additional driver. The following information is provided:

Driver's license and affiliation information for additional driver:

Name – Curtis Smith

Issuing State – Oklahoma

Issuing Country – US

Drivers License Number – 884257364

Drivers License Expiration Date – January 31, 2008

Birth date – January 6, 1965

Corporate discount number – 987789

Corporate discount name – Smith Marketing

Rental contract information:

Confirmation number - C21358AC036

Rental Agreement number – 123456789

The following Veh_CheckOutRQ message is sent:

OTA_VehCheckOutRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRQ 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_VehCheckOutRQ.xsd" Version="1.001" RentalActionCode="Modify">
  <POS>
    <Source AgentSine="E3549K" TerminalID="T549K"/>
  </POS>

```

```

    <Customer>
      <Primary>
        <PersonName>
          <NamePrefix>Mr.</NamePrefix>
          <GivenName>Joe</GivenName>
          <Surname>Bailey</Surname>
        </PersonName>
        <Telephone PhoneNumber="4055551212"
PhoneTechType="5"/>
        <!--Code value of 5 indicates this is a mobile
phone-->
        <RelatedTraveler Relation="Brother"/>
        <Document DocIssueStateProv="MO"
DocIssueCountry="US"
DocID="L1759302" DocType="4" BirthDate="1962-07-11"
ExpireDate="2007-12-13"/>
        </Primary>
        <Additional Start="2005-11-05" End="2005-11-06"
CorpDiscountName="Smith Marketing" CorpDiscountNmbr="987789"
QualificationMethod="RT_AirlineTicket">
          <PersonName>
            <GivenName>Curtis</GivenName>
            <Surname>Smith</Surname>
          </PersonName>
          <Telephone PhoneNumber="4055555678"
PhoneTechType="5"/>
          <!--Code value of 5 indicates this is a mobile
phone-->
          <Document DocIssueStateProv="OK"
DocIssueCountry="US"
DocID="884257364" DocType="4" BirthDate="1965-01-06"
ExpireDate="2008-01-31"/>
        </Additional>
      </Customer>
      <PickUpReturnDetails PickUpDateTime="2005-11-01T10:30:00"
ReturnDateTime="2005-11-09T10:00:00">
        <PickUpLocation LocationCode="OKC"/>
        <ReturnLocation LocationCode="OKC"/>
      </PickUpReturnDetails>
      <VehPref AirConditionInd="true" TransmissionType="Automatic">
        <VehType VehicleCategory="1"/>
        <VehClass Size="6"/>
      </VehPref>
      <VehIdentity VehicleAssetNumber="Car054"/>
      <VehDetailsOut>
        <FuelLevelDetails FuelLevelValue="8"/>
        <!--Fuel is measured in 1/8 increments; 8 in FuelLevelValue
represents a full tank-->
        <OdometerReading UnitOfMeasureQuantity="4560"
UnitOfMeasure="
Miles"/>
      </VehDetailsOut>
      <PricedCoverage>
        <Coverage CoverageType="7"/>
        <Charge>
          <Calculation UnitCharge="9.99" UnitName="Day"/>
        </Charge>
      </PricedCoverage>
      <SpecialEquipPrefs>
        <SpecialEquipPref EquipType="8" Quantity="1"/>
      </SpecialEquipPrefs>
      <ConfID Type="14" ID="C21358AC036"/>
      <VehRentalAdditionalInfo>
        <CoveragePrefs>
          <CoveragePref CoverageType="7"/>
        </CoveragePrefs>

```

```
<RentalPaymentPref>
  <PaymentCard CardType="1" CardCode="VI" MaskedCardNumber="4848484848484999"
  ExpireDate="0909"/>
</RentalPaymentPref>
</VehRentalAdditionalInfo>
</OTA_VehCheckOutRQ>
```

5.3.2.2. Response: Vehicle CheckOut

The additional driver is accepted and the system responds with the full checkout response, including the charge for the additional driver \$5 - \$5 per day for the 1 day Mr. Smith will be driving the vehicle) and a recap of the rental car details:

OTA_VehCheckOutRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRS 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_VehCheckOutRS.xsd" Version="1.001">
<Success/>
  <POS>
    <Source AgentSine="E3549K" TerminalID="T549K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
      <!--Code value of 5 indicates this is a mobile phone-->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="
L1759302" DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    </Primary>
    <Additional Start="2005-11-05" End="2005-11-06" CorpDiscountName="
Smith Marketing" CorpDiscountNmbr="987789" QualificationMethod="RT_AirlineTicket">
      <PersonName>
        <GivenName>Curtis</GivenName>
        <Surname>Smith</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055555678" PhoneTechType="5"/>
      <!--Code value of 5 indicates this is a mobile phone-->
      <Document DocIssueStateProv="OK" DocIssueCountry="US" DocID="
884257364" DocType="4" BirthDate="1965-01-06" ExpireDate="2008-01-31"/>
    </Additional>
  </Customer>
  <VehRentalTransaction>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="6"/>
      <VehMakeModel Name="Mazda 626" ModelYear="2004"/>
      <VehIdentity VehicleAssetNumber="Car054"
LicensePlateNumber="335ZBL"
StateProvCode="OK" CountryCode="US"
VehicleID_Number="3636363636363636363636363636
" VehicleColor="white"/>
    </Vehicle>
    <RentalRate>
      <RateDistance Unlimited="true" DistUnitName="Mile"
```



```

VehiclePeriodUnitName="RentalPeriod"/>
  <VehicleCharges>
    <VehicleCharge Amount="200.00" CurrencyCode="USD"
TaxInclusive="false" Purpose="1">
      <TaxAmounts>
        <TaxAmount Total="24.00" CurrencyCode="USD"
Percentage="12"/>
      </TaxAmounts>
      <Calculation UnitCharge="150.00" UnitName="Week"
Quantity="1"/>
      <Calculation UnitCharge="50.00" UnitName="Day"
Quantity="1"/>
    </VehicleCharge>
    <VehicleCharge Amount="5.00" CurrencyCode="USD" TaxInclusive="false" Purpose="12">
      <Calculation UnitCharge="5.00" UnitName="Day" Quantity="1"/>
    </VehicleCharge>
  </VehicleCharges>
  <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
</RentalRate>
<PricedEquips>
  <PricedEquip>
    <Equipment EquipType="8">
</Equipment>
    <Charge Amount="32.00" IncludedInRate="false"
TaxInclusive="false">
      <Calculation Quantity="8" UnitCharge="4.00" UnitName="Day"/>
    </Charge>
  </PricedEquip>
</PricedEquips>
  <TotalCharge RateTotalAmount="316.92"
EstimatedTotalAmount="354.95"/>
  <ConfID Type="14" ID="C21358AC036"/>
  <ContractID Type="8" ID="123456789"/>
</VehRentalTransaction>
<VehAdditionalInfo>
  <RentalPaymentAmount PaymentTransactionTypeCode="reserve">
    <PaymentCard CardType="VI" CardNumber="48484848484849999"
ExpireDate="0904"/>
    <PaymentAmount Amount="200.00" CurrencyCode="USD"/>
  </RentalPaymentAmount>
  <PricedCoverages>
    <PricedCoverage>
      <Coverage CoverageType="7"/>
      <Charge Amount="79.92" IncludedInRate="false"
TaxInclusive="false">
        <Calculation Quantity="8" UnitName="Day" UnitCharge="9.99"/>
      </Charge>
    </PricedCoverage>
  </PricedCoverages>
  <LocationDetails AtAirport="true" Code="OKOKC11">
    <Address>
      <AddressLine>7100 Terminal Drive</AddressLine>
      <AddressLine>Unit 966</AddressLine>
      <CityName>Oklahoma City</CityName>
      <PostalCode>73159-0966</PostalCode>
      <StateProv StateCode="OK"/>
    </Address>
    <Telephone PhoneNumber="405-685-4193"/>
  </LocationDetails>
</VehAdditionalInfo>
</OTA_VehCheckOutRS>

```

5.3.3. Use Case 3 *

5.3.3.1. Request: Vehicle CheckOut

Joe Bailey arrives at Denver airport on February 20 for the birth of his first grandchild. Upon arrival at the airport, he learns that his daughter is already in labor and will not be able to pick him up at the airport. Joe decides to rent a car from the terminal and meet his daughter and son-in-law at the hospital.

Joe goes to Enterprise where the agent tells her they have 2 pick-up trucks available. Joe agrees to accept a pick-up truck for his trip.

The Request Message is sent with the following

- Rental Action Code: Initiate
- Name: Joe Bailey
- Drivers License number, state, and expiration: L1759302, MO, 12/13/07
- Date of Birth: 7/11/62
- Contact number: 314-555-1212 (Customer's cell phone)
- Checkout Location: DEN
- Checkout Date/Time: 02/20/05, 10:30 am
- Expected Return Location: DEN
- Expected Return Date/Time: 03/15/05 10:00 am
- Credit card number, type and expiration date: Visa 2221 4444 5555 6322, 9/09
- Authorized Deposit \$200
- PricedCoverage: Collision Damage Waiver @ 9.99/day
- Fuel purchase option: none
- Mileage: Unlimited
- RateCategoryPlan: Leisure – ABC123
- Vehicle Class: Pick-up truck

OTA_VehCheckOutRQ3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRQ 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_VehCheckOutRQ.xsd" Version="1.001"
  RentalActionCode="Initiate">
  <POS>
    <Source AgentSine="E3549K" TerminalID="T549K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <GivenName>Joe</GivenName>
```

```

        <Surname>Bailey</Surname>
    </PersonName>
    <Telephone PhoneNumber="3145551212" PhoneTechType="5"/>
    <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    </Primary>
    </Customer>
    <PickUpReturnDetails PickUpDateTime="2005-02-20T10:30:00" ReturnDateTime="2005-03-
15T10:00:00">
        <PickUpLocation LocationCode="DEN"/>
        <ReturnLocation LocationCode="DEN"/>
    </PickUpReturnDetails>
    <VehPref AirConditionInd="true" TransmissionType="Automatic">
        <VehType VehicleCategory="9"/>
        <VehClass Size="6"/>
    </VehPref>
    <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
    <RentalPaymentAmount>
        <PaymentCard CardType="1" CardCode="VI" CardNumber="2221444455556322"
ExpireDate="0909"/>
        <PaymentAmount Amount="200.00" CurrencyCode="USD"/>
    </RentalPaymentAmount>
    <VehRentalAdditionalInfo>
        <CoveragePrefs>
            <CoveragePref CoverageType="7"/>
        </CoveragePrefs>
    </VehRentalAdditionalInfo>
</OTA_VehCheckOutRQ>

```

5.3.3.2. Response: Vehicle CheckOut

The System responds with:

- Rental Action Code: Commit
- Name: Joe Bailey
- Rental agreement number: 223456789
- Drivers License number, state, and expiration: L1759302, MO, 12/13/07
- Date of Birth: 7/11/62
- Contact number: 314-555-1212 (Customer's cell phone)
- Checkout Location: DEN
- Checkout Date/Time: 02/20/05, 10:30 am
- Expected Return Location: DEN
- Expected Return Date/Time: 03/15/05 10:00 am
- Credit card number, type and expiration date: Visa xxxx xxxx xxxx 6322, 9/09
- Authorized Deposit \$200
- Priced Coverage: Collision Damage Waiver @ 9.99/day
- Fuel purchase option: none
- Estimated Charges: \$1239.84

- \$339/week x 3 weeks = \$1017
- \$45/day X 2 days = \$90
- Base rate total: \$1107
- Tax information: 12% - \$132.84
- Rate Category Plan: Leisure – ABC123
- CDW: \$ 229.77 (9.99/day for 23 days)
- ***CDW is not included in the rental rate and the rate returned does not include tax
- Vehicle Information
 - Vehicle Class: Pick-up truck
 - Vehicle Asset Number: Truck072
 - VIN: 474747474747474747V
 - Year, make, model: Chevy S-10 2004
 - Color: green
 - Veh License Number and state: CO 335ZBL
 - Vehicle condition: no damage
- Fuel Level detail: full tank of gas
- Odometer reading: 2730 miles
- Terminal ID: T659K
- Agent ID: 93254

OTA_VehCheckOutRS3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckOutRS 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_VehCheckOutRS.xsd" Version="1.001"
RentalActionCode="Commit">
  <Success/>
  <POS>
    <Source AgentSine="93254" TerminalID="T659K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="3145551212" PhoneTechType="5"/>
      <!--Coded value of 5 in PhoneTechType indicates this is the customer's mobile phone-->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    </Primary>
  </Customer>
  <VehRentalTransaction>
    <PickUpReturnDetails PickUpDateTime="2005-02-20T10:30:00" ReturnDateTime="2005-03-
15T10:00:00">
      <PickUpLocation LocationCode="DEN"/>
      <ReturnLocation LocationCode="DEN"/>
    </PickUpReturnDetails>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="9"/>
      <VehClass Size="6"/>
    </Vehicle>
  </VehRentalTransaction>
</OTA_VehCheckOutRS>
```

```

        <VehMakeModel Name="Chevrolet S-10" ModelYear="2004"/>
        <VehIdentity VehicleAssetNumber="Truck072" LicensePlateNumber="335ZBL"
StateProvCode="CO" CountryCode="US" VehicleID_Number="4747474747474747V"
VehicleColor="green"/>
        <VehRentalDetails ParkingLocation="8">
            <FuelLevelDetails FuelLevelValue="8"/>
            <!--Fuel is measured in 1/8 increments; 8 in FuelLevelValue represents a full tank-->
            <OdometerReading UnitOfMeasureQuantity="2730" UnitOfMeasure="Miles"/>
        </VehRentalDetails>
    </Vehicle>
    <RentalRate>
        <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
        <VehicleCharges>
            <VehicleCharge Amount="1107.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="1">
                <TaxAmounts>
                    <TaxAmount Total="132.84" CurrencyCode="USD" Percentage="12"/>
                </TaxAmounts>
                <Calculation UnitCharge="339.00" UnitName="Week" Quantity="3"/>
                <Calculation UnitCharge="45.00" UnitName="Day" Quantity="2"/>
            </VehicleCharge>
        </VehicleCharges>
        <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
    </RentalRate>
    <TotalCharge RateTotalAmount="1107.00" EstimatedTotalAmount="1239.84"/>
    <ContractID Type="8" ID="223456789"/>
</VehRentalTransaction>
<VehAdditionalInfo>
    <RentalPaymentAmount PaymentTransactionTypeCode="reserve">
        <PaymentCard CardType="VI" MaskedCardNumber="xxxxxxxxxxx9999" ExpireDate="0904"/>
        <PaymentAmount Amount="200.00" CurrencyCode="USD"/>
    </RentalPaymentAmount>
    <PricedCoverages>
        <PricedCoverage>
            <Coverage CoverageType="7"/>
            <Charge Amount="229.77" IncludedInRate="false" TaxInclusive="false">
                <Calculation Quantity="23" UnitName="Day" UnitCharge="9.99"/>
            </Charge>
        </PricedCoverage>
    </PricedCoverages>
</VehAdditionalInfo>
</OTA_VehCheckOutRS>

```

5.4. OTA_VehCheckInRQ/RS

The goal of the CheckIn Request message is to provide the detail information related to the return of a rented vehicle to systems with a “need to know” that a vehicle has been returned and the rental agreement closed. The detail information would include date and time of return, condition (e.g., damage, fuel, mileage) of the vehicle and associated equipment, location of the return, and method of payment. This would be sent to systems that need to know that the vehicle can be returned to inventory, and that a rental agreement can be closed and the customer billed for the financial charges associated with renting the vehicle.

The goal of the Check In Response message is to confirm that the rental agreement is closed or to request additional information.

Vehicle Check In messages could be used in the following circumstance:

- Initiate a CheckIn transaction utilizing an existing rental agreement

Only one “vehicle return” request at a time may be made with the Vehicle CheckIn. The response will include any legal wording related to the rental transaction.

5.4.1. Use Case 1

5.4.1.1. Request: Vehicle CheckIn

Mr. Joe Bailey arrives back at the Oklahoma City counter on November 9 to return his Mazda 626 (Intermediate). There are no drop charges since vehicle is returned to the original rental location. There is no damage to the vehicle and the car seat was returned in good condition. The vehicle is returned with half a tank and is 2.5 hours later than originally anticipated. The agent asks if Mr. Bailey would like to keep the final charges on the same credit card and he answers affirmatively.

The counter agent pulls up the open ticket based on the rental agreement number: 123456789 and collects the following information:

Mileage: 4750
 Fuel level: half-tank
 Vehicle condition= OK
 Equipment: OK
 Vehicle asset number: Car054

A check-in request message is sent with the following data:

Mileage: 4750
 Fuel level: half-tank
 Vehicle condition: OK
 Equipment: Return 1 child seat
 Vehicle asset number: Car054
 Confirmation number: C21358AC036
 Rental agreement number: 123456789
 Terminal ID: S549K
 Agent ID: 9435E
 Date/Time: November 9, 12:30 PM

OTA_VehCheckInRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRQ 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_VehCheckInRQ.xsd" Version="1.0">
  <POS>
    <Source AgentSine="9435E" TerminalID="S549K"/>
  </POS>
  <ConfID Type="14" ID="C21358AC036"/>
  <!-- Coded value of 14 in Type indicates Confirmation-->
```

```

<ContractID Type="8" ID="123456789"/>
<!--Coded value of 8 in Type indicates Car Rental-->
<PickUpReturnDetails ReturnDateTime="2004-11-09T12:30:00"/>
<Vehicle>
  <VehIdentity VehicleAssetNumber="Car054"/>
</Vehicle>
<VehRentalDetails>
  <FuelLevelDetails FuelLevelValue="4"/>
  <OdometerReading UnitOfMeasureQuantity="4750" UnitOfMeasure="Miles"/>
  <ConditionReport Condition="OK"/>
</VehRentalDetails>
<PricedEquips>
  <PricedEquip>
    <Equipment EquipType="8" Quantity="1"/>
  </PricedEquip>
</PricedEquips>
</OTA_VehCheckInRQ>

```

5.4.1.2. Response: Vehicle CheckIn

A check-in Response message is returned with the following data:

Name: Mr. Joe Bailey

Confirmation number: C21358AC036

Rental agreement number: 123456789

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Contact number: 405-555-1212 (Customer's cell phone)

Checkout Location: OKC

Checkout Date/Time: 11/1/05, 10:30 am

Checkin Location: OKC

Check in time: 11/09/05 12:30 pm

Expected Return Location: OKC

Expected Return Date/Time: 11/09/05 10:00 am

Credit card number, type and expiration date: Visa xxxxxxxxxxxxxx9999, 9/09

Authorized Deposit \$200

PricedEquipment: Infant/Toddler Car seat @ \$4.00/day

PricedCoverage: Collision Damage Waiver @ 9.99/day

Fuel purchase option: none

Final Charges:

Mileage: Unlimited

Base rate total: USD \$220.00

Tax information: 12%

RateCategoryPlan: Leisure – ABC123

Rate Breakdown: \$150/week and \$50/day and \$10/hour = \$220

EquipmentCharges: \$32

**Special equipment is not included in the rental rate and the rate returned does not include tax

CDW: \$79.92

***CDW is not included in the rental rate and the rate returned does not include tax.

Fuel charges: \$20

Total charges: \$351.92

Tax @ 12% = \$ 42.23

Total \$394.15

Vehicle Information

Vehicle Class: Intermediate

Vehicle Asset Number: Car054

VIN: 363636363636363636V

Year, make, model: 2004 Mazda 626

Color: white

VehLicenseNumber and state: OK 335ZBL

Vehicle condition: no damage

Terminal ID: S549K

Agent ID: 9435E

OTA_VehCheckInRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRS 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_VehCheckInRS.xsd" Version="1.0">
  <Success/>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
      <!--Code value of 5 indicates this is a mobile phone-->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
      <!-- Code value of 4 in DocType indicates drivers license -->
```



```

        </Primary>
    </Customer>
    <VehRentalTransaction>
        <PickUpReturnDetails ExpectedActualCode="Actual" PickUpDateTime="2005-11-
01T13:30:00" ReturnDateTime="2005-11-09T12:30:00">
            <PickUpLocation LocationCode="OKC"/>
            <ReturnLocation LocationCode="OKC"/>
        </PickUpReturnDetails>
        <PickUpReturnDetails ExpectedActualCode="Expected" PickUpDateTime="2005-11-
01T13:30:00" ReturnDateTime="2005-11-09T10:00:00">
            <PickUpLocation LocationCode="OKC"/>
            <ReturnLocation LocationCode="OKC"/>
        </PickUpReturnDetails>
        <Vehicle AirConditionInd="true" TransmissionType="Automatic">
            <VehType VehicleCategory="1"/>
            <VehClass Size="6"/>
            <VehMakeModel Name="Mazda 626" ModelYear="2004"/>
            <VehIdentity VehicleAssetNumber="Car054" LicensePlateNumber="335ZBL"
StateProvCode="OK" CountryCode="US" VehicleID_Number="36363636363636363636V"
VehicleColor="white"/>
            <VehRentalDetails>
                <ConditionReport Condition="OK"/>
            </VehRentalDetails>
        </Vehicle>
        <RentalRate>
            <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
            <VehicleCharges>
                <VehicleCharge Amount="220.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="1">
                    <!--Code Value of 1 in Purpose indicates this charge is for the vehicle rental-->
                    <TaxAmounts>
                        <TaxAmount Total="42.23" CurrencyCode="USD" Percentage="12"/>
                    </TaxAmounts>
                    <Calculation UnitCharge="150.00" UnitName="Week" Quantity="1"/>
                    <Calculation UnitCharge="50.00" UnitName="Day" Quantity="1"/>
                    <Calculation UnitCharge="10.00" UnitName="Hour" Quantity="2"/>
                </VehicleCharge>
                <VehicleCharge Amount="20.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="20"/>
                    <!-- Coded value of 20 indicates the VehicleCharge is for fuel as vehicle was returned
with only 1/2 tank -->
                </VehicleCharges>
            <RateQualifier RateQualifier="ABC123"/>
        </RentalRate>
        <PricedEquips>
            <PricedEquip>
                <Equipment EquipType="8" Quantity="1"/>
                <!--Code Value of 8 in EquipType indicates a child seat-->
                <Charge Amount="32.00" CurrencyCode="USD" TaxInclusive="false">
                    <Calculation UnitCharge="4.00" UnitName="Day" Quantity="8"/>
                </Charge>
            </PricedEquip>
        </PricedEquips>
        <TotalCharge RateTotalAmount="220.00" EstimatedTotalAmount="394.15"
CurrencyCode="USD"/>
        <ConfID Type="14" ID="C21358AC036"/>
        <!--Code value of 14 in Type indicates Confirmation number-->
        <ContractID Type="8" ID="123456789"/>
        <!--Code value of 8 in Type indicates Car Rental-->
    </VehRentalTransaction>
    <VehCheckInInfo>
        <RentalPaymentAmount PaymentTransactionTypeCode="charge">
            <PaymentCard CardType="1" CardCode="V" CardNumber="48484848484849999"
ExpireDate="0909"/>
            <PaymentAmount Amount="394.15" CurrencyCode="USD"/>
        </RentalPaymentAmount>
    </VehCheckInInfo>

```

```

        </RentalPaymentAmount>
    </PricedCoverages>
    <PricedCoverage>
        <Coverage CoverageType="7"/>
        <!--Code value of 7 indicates CDW - collision damage waiver-->
        <Charge Amount="79.92" CurrencyCode="USD" TaxInclusive="false">
            <Calculation UnitCharge="9.99" UnitName="Day" Quantity="8"/>
        </Charge>
    </PricedCoverage>
</PricedCoverages>
</VehCheckInInfo>
</OTA_VehCheckInRS>

```

5.4.2. Use Case 2*

5.4.2.1. Request: Vehicle CheckIn

Customer has returned a vehicle with a full tank of gas however his rental receipt shows a charge for fuel. The complete CheckIn request is sent again with the updated information indicating the new fuel level:

OTA_VehCheckInRQ2.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRQ 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_VehCheckInRQ.xsd" Version="1.0"
  RentalActionCode="Modify">
    <POS>
      <Source AgentSine="9435E" TerminalID="S549K"/>
    </POS>
    <ConfID Type="14" ID="C21358AC036"/>
    <!-- Coded value of 14 in Type indicates Confirmation-->
    <ContractID Type="8" ID="123456789"/>
    <!--Coded value of 8 in Type indicates Car Rental-->
    <PickUpReturnDetails ReturnDateTime="2004-11-09T12:30:00"/>
    <Vehicle>
      <VehIdentity VehicleAssetNumber="Car054"/>
    </Vehicle>
    <VehRentalDetails>
      <FuelLevelDetails FuelLevelValue="8"/>
      <OdometerReading UnitOfMeasureQuantity="4750" UnitOfMeasure="Miles"/>
      <ConditionReport Condition="OK"/>
    </VehRentalDetails>
    <PricedEquips>
      <PricedEquip>
        <Equipment EquipType="8" Quantity="1"/>
      </PricedEquip>
    </PricedEquips>
</OTA_VehCheckInRQ>

```

5.4.2.2. Response: Vehicle CheckIn

A full CheckIn response message is returned with the adjusted rate information as follows:

Name: Mr. Joe Bailey

Confirmation number: C21358AC036

Rental agreement number: 123456789

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Contact number: 405-555-1212 (Customer's cell phone)

Checkout Location: OKC

Checkout Date/Time: 11/1/05, 10:30 am

Checkin Location: OKC

Check in time: 11/09/05 12:30 pm

Expected Return Location: OKC

Expected Return Date/Time: 11/09/05 10:00 am

Credit card number, type and expiration date: Visa xxxxxxxxxxxxxx9999, 9/09

Authorized Deposit \$200

PricedEquipment: Infant/Toddler Car seat @ \$4.00/day

PricedCoverage: Collision Damage Waiver @ 9.99/day

Fuel purchase option: none

Final Charges:

Mileage: Unlimited

Base rate total: USD \$220.00

Tax information: 12%

RateCategoryPlan: Leisure – ABC123

Rate Breakdown: \$150/week and \$50/day and \$10/hour = \$220

EquipmentCharges: \$32

**Special equipment is not included in the rental rate and the rate returned does not include tax

CDW: \$79.92

***CDW is not included in the rental rate and the rate returned does not include tax.

Total charges: \$351.92

Tax @ 12% = \$ 42.23

Total \$394.15

Vehicle Information

Vehicle Class: Intermediate

Vehicle Asset Number: Car054

VIN: 363636363636363636V

Year, make, model: 2004 Mazda 626

Color: white

VehLicenseNumber and state: OK 335ZBL

Vehicle condition: no damage

3 December 2004

Terminal ID: S549K

Agent ID: 9435E

OTA_VehCheckInRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRS 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_VehCheckInRS.xsd" Version="1.0">
  <Success/>
  <POS>
    <Source AgentSine="9435E" TerminalID="S549K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
        <Surname>Bailey</Surname>
      </PersonName>
      <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
      <!-- Code value of 5 indicates this is a mobile phone -->
      <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
        DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
      <!-- Code value of 4 in DocType indicates drivers license -->
    </Primary>
  </Customer>
  <VehRentalTransaction>
    <PickUpReturnDetails ExpectedActualCode="Actual" PickUpDateTime="2005-11-01T13:30:00"
      ReturnDateTime="2005-11-09T12:30:00">
      <PickUpLocation LocationCode="OKC"/>
      <ReturnLocation LocationCode="OKC"/>
    </PickUpReturnDetails>
    <PickUpReturnDetails ExpectedActualCode="Expected" PickUpDateTime="2005-11-01T13:30:00"
      ReturnDateTime="2005-11-09T10:00:00">
      <PickUpLocation LocationCode="OKC"/>
      <ReturnLocation LocationCode="OKC"/>
    </PickUpReturnDetails>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
    </Vehicle>
  </VehRentalTransaction>
</OTA_VehCheckInRS>
```

```

        <VehClass Size="6"/>
        <VehMakeModel Name="Mazda 626" ModelYear="2004"/>
        <VehIdentity VehicleAssetNumber="Car054" LicensePlateNumber="335ZBL"
StateProvCode="OK" CountryCode="US" VehicleID_Number="3636363636363636V"
VehicleColor="white"/>
        <VehRentalDetails>
            <ConditionReport Condition="OK"/>
        </VehRentalDetails>
    </Vehicle>
    <RentalRate>
        <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
        <VehicleCharges>
            <VehicleCharge Amount="220.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="1">
                <!--Code Value of 1 in Purpose indicates this charge is for the vehicle rental-->
                <TaxAmounts>
                    <TaxAmount Total="42.23" CurrencyCode="USD" Percentage="12"/>
                </TaxAmounts>
                <Calculation UnitCharge="150.00" UnitName="Week" Quantity="1"/>
                <Calculation UnitCharge="50.00" UnitName="Day" Quantity="1"/>
                <Calculation UnitCharge="10.00" UnitName="Hour" Quantity="2"/>
            </VehicleCharge>
        </VehicleCharges>
        <RateQualifier RateQualifier="ABC123"/>
    </RentalRate>
    <PricedEquips>
        <PricedEquip>
            <Equipment EquipType="8" Quantity="1"/>
            <!--Code Value of 8 in EquipType indicates a child seat-->
            <Charge Amount="32.00" CurrencyCode="USD" TaxInclusive="false">
                <Calculation UnitCharge="4.00" UnitName="Day" Quantity="8"/>
            </Charge>
        </PricedEquip>
    </PricedEquips>
    <TotalCharge RateTotalAmount="220.00" EstimatedTotalAmount="351.92" CurrencyCode="USD"/>
    <ConfID Type="14" ID="C21358AC036"/>
    <!--Code value of 14 in Type indicates Confirmation number-->
    <ContractID Type="8" ID="123456789"/>
    <!--Code value of 8 in Type indicates Car Rental-->
    </VehRentalTransaction>
    <VehCheckInInfo>
        <RentalPaymentAmount PaymentTransactionTypeCode="charge">
            <PaymentCard CardType="1" CardCode="VI" CardNumber="48484848484849999"
ExpireDate="0909"/>
            <PaymentAmount Amount="394.15" CurrencyCode="USD"/>
        </RentalPaymentAmount>
        <PricedCoverages>
            <PricedCoverage>
                <Coverage CoverageType="7"/>
                <!--Code value of 7 indicates CDW - collision damage waiver-->
                <Charge Amount="79.92" CurrencyCode="USD" TaxInclusive="false">
                    <Calculation UnitCharge="9.99" UnitName="Day" Quantity="8"/>
                </Charge>
            </PricedCoverage>
        </PricedCoverages>
    </VehCheckInInfo>
</OTA_VehCheckInRS>

```

5.4.3. Use Case 3*

5.4.3.1. Request: Vehicle CheckIn

Mr. Joe Bailey has returned his rental car to Hertz and a successful CheckIn transaction has already taken place. Mr. Bailey comments to the Hertz customer service representative that he was unhappy with the condition of the car and would like Hertz to compensate him. The agent agrees to take \$25 off the rental.

A CheckIn Request message is sent with the following information:

Rental Action Code – Modify

Confirmation Number - C21358AC036

Rental Agreement/Contract number – 123456789

Return Date/Time – November 9, 2005 @ 12:30 p.m.

Vehicle Asset Number - Car054

Fuel Level Details – 4 (Vehicle was returned with a half tank of gas)

Odometer reading – 4750 miles

Condition – OK

Adjustment Details

Adjustment Amount - \$25.00

Description – Customer Service

OTA_VehCheckInRQ3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRQ 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_VehCheckInRQ.xsd" Version="1.000"
RentalActionCode="Modify">
<POS>
  <Source AgentSine="9435E" TerminalID="S549K"/>
</POS>
<ConfID Type="14" ID="C21358AC036"/>
<!-- Coded value of 14 in Type indicates Confirmation-->
<ContractID Type="8" ID="123456789"/>
<!-- Coded value of 8 in Type indicates Car Rental-->
<PickUpReturnDetails ReturnDateTime="2004-11-09T12:30:00"/>
<Vehicle>
  <VehIdentity VehicleAssetNumber="Car054"/>
</Vehicle>
<VehRentalDetails>
  <FuelLevelDetails FuelLevelValue="4"/>
  <OdometerReading UnitOfMeasureQuantity="4750" UnitOfMeasure="Miles"/>
  <ConditionReport Condition="OK"/>
</VehRentalDetails>
<PricedEquips>
  <PricedEquip>
    <Equipment EquipType="8" Quantity="1"/>
  </PricedEquip>
</PricedEquips>
</OTA_VehCheckInRQ>
```

```

        </PricedEquip>
    </PricedEquips>
    <AdjustmentDetails>
        <AdjustmentDetail Amount="25.00" CurrencyCode="USD" Description="Customer Service"/>
    </AdjustmentDetails>
</OTA_VehCheckInRQ>

```

5.4.3.2. Response: Vehicle CheckIn

The Hertz system responds with a full CheckIn Response message including the adjusted rate information:

Name: Mr. Joe Bailey

Confirmation number: C21358AC036

Rental agreement number: 123456789

Drivers License number, state, and expiration: L1759302, MO, 12/13/07

Date of Birth: 7/11/62

Contact number: 405-555-1212 (Customer's cell phone)

Checkout Location: OKC

Checkout Date/Time: 11/1/05, 10:30 am

5-67 3 December 2004

Checkin Location: OKC

Check in time: 11/09/05 12:30 pm

Expected Return Location: OKC

Expected Return Date/Time: 11/09/05 10:00 am

Credit card number, type and expiration date: Visa xxxxxxxxxxxxxx9999, 9/09

Authorized Deposit \$200

PricedEquipment: Infant/Toddler Car seat @ \$4.00/day

PricedCoverage: Collision Damage Waiver @ 9.99/day

Fuel purchase option: none

Final Charges:

Mileage: Unlimited

Base rate total: USD \$220.00

Tax information: 12%

RateCategoryPlan: Leisure – ABC123

Rate Breakdown: \$150/week and \$50/day and \$10/hour = \$220

EquipmentCharges: \$32

**Special equipment is not included in the rental rate and the rate returned does not include tax

CDW: \$79.92

***CDW is not included in the rental rate and the rate returned does not include tax.

Fuel charges: \$20

Tax @ 12% = \$ 42.23

Total \$394.15

Adjustment - \$25.00

Total charges: \$369.15

Vehicle Information

Vehicle Class: Intermediate

Vehicle Asset Number: Car054

VIN: 363636363636363636V

Year, make, model: 2004 Mazda 626

Color: white

VehLicenseNumber and state: OK 335ZBL

Vehicle condition: no damage

3 December 2004

Terminal ID: S549K

Agent ID: 9435E

OTA_VehCheckInRS3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehCheckInRS 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_VehCheckInRS.xsd" Version="1.00">
<Success/>
  <POS>
    <Source AgentSine="9435E" TerminalID="S549K"/>
  </POS>
  <Customer>
    <Primary>
      <PersonName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Joe</GivenName>
      </PersonName>
    </Primary>
  </Customer>
</OTA_VehCheckInRS>
```



```

        <Surname>Bailey</Surname>
    </PersonName>
    <Telephone PhoneNumber="4055551212" PhoneTechType="5"/>
    <!--Code value of 5 indicates this is a mobile phone-->
    <Document DocIssueStateProv="MO" DocIssueCountry="US" DocID="L1759302"
DocType="4" BirthDate="1962-07-11" ExpireDate="2007-12-13"/>
    <!-- Code value of 4 in DocType indicates drivers license -->
    </Primary>
</Customer>
<VehRentalTransaction>
    <PickUpReturnDetails ExpectedActualCode="Actual" PickUpDateTime="2005-11-01T13:30:00"
ReturnDateTime="2005-11-09T12:30:00">
        <PickUpLocation LocationCode="OKC"/>
        <ReturnLocation LocationCode="OKC"/>
    </PickUpReturnDetails>
    <PickUpReturnDetails ExpectedActualCode="Expected" PickUpDateTime="2005-11-01T13:30:00"
ReturnDateTime="2005-11-09T10:00:00">
        <PickUpLocation LocationCode="OKC"/>
        <ReturnLocation LocationCode="OKC"/>
    </PickUpReturnDetails>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
        <VehType VehicleCategory="1"/>
        <VehClass Size="6"/>
        <VehMakeModel Name="Mazda 626" ModelYear="2004"/>
        <VehIdentity VehicleAssetNumber="Car054" LicensePlateNumber="335ZBL"
StateProvCode="OK" CountryCode="US" VehicleID_Number="363636363636363636V"
VehicleColor="white"/>
        <VehRentalDetails>
            <ConditionReport Condition="OK"/>
        </VehRentalDetails>
    </Vehicle>
    <RentalRate>
        <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
        <VehicleCharges>
            <VehicleCharge Amount="220.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="1">
                <!--Code Value of 1 in Purpose indicates this charge is for the vehicle rental-->
                <TaxAmounts>
                    <TaxAmount Total="42.23" CurrencyCode="USD" Percentage="12"/>
                </TaxAmounts>
                <Calculation UnitCharge="150.00" UnitName="Week" Quantity="1"/>
                <Calculation UnitCharge="50.00" UnitName="Day" Quantity="1"/>
                <Calculation UnitCharge="10.00" UnitName="Hour" Quantity="2"/>
            </VehicleCharge>
            <VehicleCharge Amount="20.00" CurrencyCode="USD" TaxInclusive="false"
Purpose="20"/>
                <!-- Coded value of 20 indicates the VehicleCharge is for fuel as vehicle was returned with
only 1/2 tank -->
                <VehicleCharge Amount="-25.00" CurrencyCode="USD" Purpose="25"/>
            </VehicleCharges>
            <RateQualifier RateQualifier="ABC123"/>
        </RentalRate>
    <PricedEquips>
        <PricedEquip>
            <Equipment EquipType="8" Quantity="1"/>
            <!--Code Value of 8 in EquipType indicates a child seat-->
            <Charge Amount="32.00" CurrencyCode="USD" TaxInclusive="false">
                <Calculation UnitCharge="4.00" UnitName="Day" Quantity="8"/>
            </Charge>
        </PricedEquip>
    </PricedEquips>
    <TotalCharge RateTotalAmount="220.00" EstimatedTotalAmount="369.15" CurrencyCode="USD"/>
    <ConfID Type="14" ID="C21358AC036"/>
    <!--Code value of 14 in Type indicates Confirmation number-->
    <ContractID Type="8" ID="123456789"/>

```

```

        <!--Code value of 8 in Type indicates Car Rental-->
    </VehRentalTransaction>
    <VehCheckInInfo>
        <RentalPaymentAmount PaymentTransactionTypeCode="reserve">
            <PaymentCard CardType="1" CardCode="VI" CardNumber="4848484848484999"
ExpireDate="0909"/>
            <PaymentAmount Amount="200.00" CurrencyCode="USD"/>
        </RentalPaymentAmount>
        <PricedCoverages>
            <PricedCoverage>
                <Coverage CoverageType="7"/>
                <!--Code value of 7 indicates CDW - collision damage waiver-->
                <Charge Amount="79.92" CurrencyCode="USD" TaxInclusive="false">
                    <Calculation UnitCharge="9.99" UnitName="Day" Quantity="8"/>
                </Charge>
            </PricedCoverage>
        </PricedCoverages>
    </VehCheckInInfo>
</OTA_VehCheckInRS>

```

5.5. OTA_VehLocDetailRQ/RS

The Vehicle Rental Location Detail Request message provides detail information regarding a vendor's location based on an input location code. Only one location can be requested in each message.

The Vehicle Rental Location Detail Response message returns detail information regarding a vendor's location. The information can include full address, phone number, hours of operation, delivery/collection services, seasonal dates open, customer loyalty services and hours, special program participation and credit cards accepted.

5.5.1. Use Case 1

5.5.1.1. Request: Full Details for Specific Rental Location

A customer wishes to find out all the details about the Hertz rental location at Dallas / Ft. Worth Airport.

OTA_VehLocDetailRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehLocDetailRQ 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_VehLocDetailRQ.xsd" Version="1.0">
    <POS>
        <Source>
            <RequestorID Type="5" ID="11112267"/>
        </Source>
    </POS>
    <Location LocationCode="DFW"/>
    <Vendor Code="ZE"/>
</OTA_VehLocDetailRQ>

```

5.5.1.2. Response: Full Details for a Specific Rental Location

Hertz sends back a response with full details about its location at the Dallas / Ft. Worth Airport.

OTA_VehLocDetailRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehLocDetailRS 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_VehLocDetailRS.xsd" Version="1.0">
  <Success/>
  <Vendor Code="ZE"/>
  <LocationDetail AtAirport="true" Code="JFK" CodeContext="oag">
    <Address>
      <AddressLine>JFK AIRPORT</AddressLine>
      <AddressLine>Building 300</AddressLine>
      <CityName>Jamaica</CityName>
      <PostalCode>11430</PostalCode>
      <StateProv StateCode="NY"/>
    </Address>
    <Telephone AreaCityCode="718" PhoneNumber="6567600"/>
    <AdditionalInfo>
      <ParkLocation Location="2"/>
      <CounterLocation Location="2"/>
      <OperationSchedules>
        <OperationSchedule Start="2005-01-01" End="2005-12-31">
          <OperationTimes>
            <OperationTime Mon="true" Tue="true" Weds="true" Thur="true" Fri="true" Sat="true"
Sun="true" Start="00:00" End="23:59"/>
          </OperationTimes>
        </OperationSchedule>
      </OperationSchedules>
    </AdditionalInfo>
  </LocationDetail>
  <Vehicles>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="3"/>
      <VehMakeModel Name="HYUNDAI ACCENT OR SIMILAR" Code="ECAR"/>
    </Vehicle>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="4"/>
      <VehMakeModel Name="FORD FOCUS OR SIMILAR" Code="CCAR"/>
    </Vehicle>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="6"/>
      <VehMakeModel Name="MAZDA 6 OR SIMILAR" Code="ICAR"/>
    </Vehicle>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="7"/>
      <VehMakeModel Name="MUSTANG COUPE OR SIMILAR" Code="SCAR"/>
    </Vehicle>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="8"/>
      <VehMakeModel Name="FORD TAURUS OR SIMILAR" Code="FCAR"/>
    </Vehicle>
    <Vehicle AirConditionInd="true" TransmissionType="Automatic">
      <VehType VehicleCategory="1"/>
      <VehClass Size="10"/>
    </Vehicle>
  </Vehicles>
</OTA_VehLocDetailRS>
```

```

    <VehMakeModel Name="MERCURY GRAND MARQUIS OR SIMILAR" Code="PCAR"/>
  </Vehicle>
  <Vehicle AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="1"/>
    <VehClass Size="9"/>
    <VehMakeModel Name="LINCOLN TOWN CAR OR SIMILAR" Code="LCAR"/>
  </Vehicle>
  <Vehicle AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="3"/>
    <VehClass Size="7"/>
    <VehMakeModel Name="FORD EXPLORER OR SIMILAR" Code="SFAR"/>
  </Vehicle>
  <Vehicle AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="2"/>
    <VehClass Size="11"/>
    <VehMakeModel Name="FORD FREESTAR OR SIMILAR" Code="MVAR"/>
  </Vehicle>
</Vehicles>
<Requirements>
  <Age MinimumAge="25"/>
</Requirements>
<AdditionalFees>
  <Taxes>
    <Tax Percentage="15.00">
      <Info>
        <SubSection>
          <Paragraph>
            <Text Formatted="false">State and/or local taxes of 15 percent will be
applied.</Text>
          </Paragraph>
        </SubSection>
      </Info>
    </Tax>
  </Taxes>
  <Fees>
    <Fee CurrencyCode="USD" TaxInclusive="false" Description="Customer Facility Charge"
IncludedInRate="false">
      <Calculation UnitCharge="4.00" UnitName="Day"/>
      <Info>
        <SubSection>
          <Paragraph>
            <Text Formatted="false">A customer facility charge of USD 4.00 per day will be
applied to all rentals.</Text>
          </Paragraph>
        </SubSection>
      </Info>
    </Fee>
    <Fee CurrencyCode="USD" TaxInclusive="false" Description="Property Tax, Title License Fee
Reimbursement" IncludedInRate="false">
      <Calculation UnitCharge="1.35" UnitName="Day"/>
      <Info>
        <SubSection>
          <Paragraph>
            <Text Formatted="false">A property tax, title license fee reimbursement of USD
1.35 per day will be applied to the rental.</Text>
          </Paragraph>
        </SubSection>
      </Info>
    </Fee>
    <Fee CurrencyCode="USD" TaxInclusive="false" Description="Airport Concession Fee"
IncludedInRate="false">
      <Calculation Percentage="11.1"/>
      <Info>
        <SubSection>
          <Paragraph>

```

<Text Formatted="false">There is an 11.1 percent airport concession fee recovery applied to all rentals.</Text>

</Paragraph>

</SubSection>

</Info>

</Fee>

<Fee CurrencyCode="USD" TaxInclusive="false" Description="Government Rate Supplement IncludedInRate="false">

<Calculation UnitCharge="5.00" UnitName="Day"/>

<Info>

<SubSection>

<Paragraph>

<Text Formatted="false">When traveling on official U. S. Government business, renter will be charged a standard mandatory Government Administrative Rate Supplement (GARS) of USD 5.00 per day in addition to the rates listed.</Text>

</Paragraph>

</SubSection>

</Info>

</Fee>

<Fee CurrencyCode="USD" TaxInclusive="false" Description="Fuel" IncludedInRate="false">

<Calculation UnitCharge="4.96" UnitName="Gallon"/>

<Info>

<SubSection>

<Paragraph>

<Text Formatted="false">A refueling charge of approximately USD 4.96 per gallon will be applied to the rental if the vehicle is returned with less than a full tank. Fuel purchase option is available at time of rental and allows you to return the car without refueling the gas tank. The cost is based on the self-service gas prices in the area.</Text>

</Paragraph>

</SubSection>

</Info>

</Fee>

</Fees>

<Surcharges>

<Surcharge CurrencyCode="USD" TaxInclusive="false" Description="Frequent Flyer Surcharges">

<MinMax MaxCharge="2.00"/>

<Calculation UnitCharge="0.50" UnitName="Day"/>

<Info>

<SubSection>

<Paragraph>

<Text Formatted="false">For rentals in the U.S, Puerto Rico, and Canada when the renter chooses to receive frequent flyer miles or credits from the following us airline programs Hertz will assess a frequent flyer surcharge equivalent to USD 0.50 per day up to a maximum of USD 2.00 per rental. The amount assessed is collected by Hertz to offset a portion of Hertz annual cost of participation in frequent flyer programs.</Text>

</Paragraph>

<Paragraph>

<ListItem>America West Airlines</ListItem>

<ListItem>Alaska Airlines</ListItem>

<ListItem>Aloha Airlines</ListItem>

<ListItem>Continental Airlines</ListItem>

<ListItem>Delta Air Lines</ListItem>

<ListItem>Frontier Airlines</ListItem>

<ListItem>Hawaiian Airlines</ListItem>

<ListItem>Midwest Airlines</ListItem>

<ListItem>Southwest Airlines</ListItem>

<ListItem>United Airlines</ListItem>

<ListItem>US Airways</ListItem>

</Paragraph>

<Paragraph>

<Text Formatted="false">For rentals in the US, Puerto Rico, and Canada when the renter chooses to receive miles in the American Airlines AAdvantage program the frequent flyer surcharge will be calculated based on the federal excise tax expense incurred by Hertz when it purchases miles from American Airlines. Under the tax relief act of 1997, all companies that purchase frequent flyer miles from

airlines must pay a 7.5 percent excise tax on the cost of those miles (approximately 3 cents per rental day).</Text>

</Paragraph>
<Paragraph>
<Text Formatted="false">Surcharge is not applicable to mileage/points or credits earned on international airlines, hotel programs or other non-airline frequency programs.</Text>
</Paragraph>
</SubSection>
</Info>
</Surcharge>
</Surcharges>
</AdditionalFees>
<Liabilities>
<Coverages>
<Coverage Type="21">
<CoverageInfo Title="Insurance">
<SubSection>
<Paragraph>
<Text Formatted="false">On all rentals commencing in the state of Texas, Hertz will provide secondary liability protection. The renters personal/business insurance is used to its limits. In the event of no applicable liability protection, Hertz - by default - becomes primary.</Text>
</Paragraph>
<Paragraph>
<Text Formatted="false">Hertz will become primary if the liability insurance supplement - LIS - is purchased.</Text>
</Paragraph>
</SubSection>
</CoverageInfo>
</Coverage>
<Coverage Type="32">
<CoverageInfo Title="PAI-Personal Accident Insurance">
<SubSection>
<Paragraph>
<Text Formatted="false">Personal Accident Insurance/Personal Effects Coverage. Both coverage options ,PAI and PEC, are included in a singular fee of USD 5.50 per day.</Text>
</Paragraph>
<Paragraph>
<Text Formatted="false">PAI provides certain live and medical benefits in the event of accidental death and/or injury occurring during the rental. PAI coverage extends to the customer for the duration of the rental and to all passengers while entering, exiting and occupying the car.</Text>
</Paragraph>
<Paragraph>
<Text Formatted="false">PEC provides limited protection for loss of or damage to covered personal effects while such personal effects are in transit or in any hotel or other building enroute during the rental period. Coverage applies to the customer and members of the customer's immediate family who permanently reside in the customer's household and are traveling with the renter.</Text>
</Paragraph>
<Paragraph>
<Text Formatted="false">PAI and PEC are available for a singular charge for each full or partial day.</Text>
</Paragraph>
</SubSection>
</CoverageInfo>
</Coverage>
<Coverage Type="27">
<CoverageInfo Title="Liability Insurance Supplement">
<SubSection>
<Paragraph>
<Text Formatted="false">Available for an additional charge of USD 8.83 per day. LIS provides the renter and authorized operators of the rental vehicle with primary liability protection for third party accident claims up to a combined single limit of USD 1,000,000.00 for bodily injury, including death and property damage for each occurrence. The LIS charge applies to each full or partial rental day.</Text>
</Paragraph>
</SubSection>
</CoverageInfo>
</Coverage>

```

    <Coverage Type="24">
      <CoverageInfo Title="LDW-Loss Damage Waiver">
        <SubSection>
          <Paragraph>
            <Text Formatted="false">Loss damage waiver - LDW - is not insurance. It is an
optional customer service which relieves the customer from responsibility for the loss of or damage to the
rental car resulting from any cause provided the car is in accordance with the terms of the rental
agreement.</Text>
          </Paragraph>
          <Paragraph>
            <Text Formatted="false">Loss damage waiver varies according to car
type.</Text>
          </Paragraph>
          <Paragraph>
            <ListItem Formatted="false">USD 20.99 per day for ECAR, CCAR, CDAR, ICAR,
IDAR, SCAR, FCAR, FDAR, SWAR, MCAN, IPAR, FPAR, CPAR, XDAR.</ListItem>
            <ListItem Formatted="false">USD 25.99 per day for LCAR, LDAR, LWAR, PSAR,
LXAR, XSAR, XXAR, XCAR, IJAR, SJAR, LFAR, PFAR, PWAR, LSAR.</ListItem>
            <ListItem Formatted="false">USD 34.99 per day for PTAR.</ListItem>
            <ListItem Formatted="false">USD 21.99 per day for all other car types.</ListItem>
          </Paragraph>
        </SubSection>
      </CoverageInfo>
      <CoverageFees>
        <CoverageFee>
          <Charge CurrencyCode="USD" TaxInclusive="false" IncludedInRate="false">
            <Calculation UnitCharge="20.99" UnitName="Day"/>
          </Charge>
        </CoverageFee>
        <Vehicles>
          <Vehicle AirConditionInd="true" TransmissionType="Automatic">
            <VehType VehicleCategory="1"/>
            <VehClass Size="1"/>
          </Vehicle>
          <Vehicle AirConditionInd="true" TransmissionType="Automatic">
            <VehType VehicleCategory="1"/>
            <VehClass Size="2"/>
          </Vehicle>
        </Vehicles>
      </CoverageFee>
    </CoverageFees>
  </Coverage>
</Coverages>
</Liabilities>
<ServicesOffered>
  <OnLocationServices>
    <OnLocationService Type="ComputerDrivingDirections">
      <OnLocServiceDesc Title="Computerized Driving Directions - CDD">
        <SubSection>
          <Paragraph>
            <Text>Various airports offer an easy to use touch-screen for mapping out local
routes to landmarks, hotels, tourist attractions, restaurants, etc., Which can be printed out and taken with you
in your rental car. Computerized driving directions are available at this airport location.</Text>
          </Paragraph>
        </SubSection>
      </OnLocServiceDesc>
    </OnLocationService>
    <OnLocationService Type="ExpressReturnService">
      <OnLocServiceDesc Title="Instant Return Service">
        <SubSection>
          <Paragraph>
            <Text>Available to charge card customers at this airport location. You will meet a
Hertz representative in the car return area and will be given a completed rental receipt from a hand-held
computer. There is no need to go to the rental counter which saves you time.</Text>
          </Paragraph>
        </SubSection>
      </OnLocServiceDesc>
    </OnLocationService>
  </OnLocationServices>
</ServicesOffered>

```


</OnLocationService>
 <OnLocationService Type="SpecialNeeds">
 <OnLocServiceDesc Title="Special Needs">
 <SubSection>
 <Paragraph Name="Accessible Parking">
 <Text>All Hertz corporate locations have designated accessible parking at car return areas. Customers must provide their own handicapped permit. Due to safety reasons, Hertz does not provide identification cards or car stickers.</Text>
 </Paragraph>
 <Paragraph Name="Drivers for the Blind or Physically-Impaired Persons">
 <Text>A driver who has a valid drivers license and is at least 25 years of age may drive a Hertz car rented by a person with visual or other physical impairment.</Text>
 </Paragraph>
 <Paragraph Name="Telephone Service for the Hearing-Impaired">
 <Text>For persons with hearing or speech impairment, the Hertz worldwide reservation center offers a telephone device for the deaf--TDD--24 hours a day. Call toll free within the U.S. ... 1-800-654-2280</Text>
 </Paragraph>
 <Paragraph>
 <Text>If the customer is unable to board the courtesy bus due to physical restrictions, during the hours of 0800-2000 they may use the Hertz phone located in the baggage claim area to call for pickup arrangements. The customer will be taken to the service center to complete their rental paperwork.</Text>
 </Paragraph>
 </SubSection>
 </OnLocServiceDesc>
 </OnLocationService>
 <OnLocationService Type="FrequentRenter">
 <OnLocServiceDesc Title="Gold Service">
 <SubSection>
 <Paragraph>
 <Text>Hertz number one club gold provides you with expedited *counter* service. Simply go to the specially designated gold counter where a Hertz representative will have a prepared rental agreement with the pre-selected car class, optional services and credit card taken care of. Our representative will check the drivers license, hand you your keys and you're on your way. When Hertz number one gold *counter* service is confirmed, the letters CNTR will be appended to the confirmation number.</Text>
 </Paragraph>
 <Paragraph>
 <Text>Take the common bus to the car rental area. You will be met by a Hertz customer service representative who will advise the counter of your arrival. You will then go to the counter, show your driver's license, sign the gold log and collect your contract and keys.</Text>
 </Paragraph>
 <Paragraph>
 <Text>Number One Club Gold applications can be requested by phone at 1-800-654-3131 or may be obtained through most travel agencies.</Text>
 </Paragraph>
 </SubSection>
 </OnLocServiceDesc>
 </OnLocationService>
 </OnLocationServices>
 <OffLocationServices>
 <OffLocationService Type="CustPickUp">
 <OffLocServiceDesc>
 <SubSection>
 <Paragraph Name="Prestige Pickup Service">
 <Text>Prestige Vehicle Customers will be picked up at hotels and resorts within a 15 mile radius of the prestige collection. Pickup service beyond the 15 mile radius may be available for an additional fee. Advise customer to call the location at 972-453-4785 and speak to a manager to finalize pickup arrangements.</Text>
 </Paragraph>
 </SubSection>
 </OffLocServiceDesc>
 </OffLocationService>
 </OffLocationServices>
 <SpecialEquipments>
 <SpecialEquipment Type="18">


```

    <EquipDesc>
      <SubSection SubTitle="Spinner Kobs">
        <Paragraph>
          <Text>The spinner knob is a device attached to the steering wheel allowing a
physically disabled person easier steering movement. 72 hours advance booking is required. Available at no
additional cost. This item cannot be reserved via this reservation system. To confirm, call your local Hertz
reservation center.</Text>
        </Paragraph>
      </SubSection>
    </EquipDesc>
  </SpecialEquipment>
  <SpecialEquipment Type="28">
    <EquipDesc>
      <SubSection SubTitle="Wheelchair Accessible Vans">
        <Paragraph>
          <Text>Wheelchair accessible vans are now available by calling your local Hertz
reservation center. Hertz will then put you in touch with the wheelchair van company.</Text>
        </Paragraph>
      </SubSection>
    </EquipDesc>
  </SpecialEquipment>
  <SpecialEquipment Type="7">
    <EquipDesc>
      <SubSection SubTitle="CSI - Child Seat Infant">
        <Paragraph>
          <Text>Infant seats are available at this location. The cost is USD 8.00 per day,
USD 40.00 per week up to a maximum charge of USD 60.00. This equipment is available for one-way rentals
at no additional charge. The seats commonly used by Hertz are the century Smartfit for infants up to 20
pounds. The seat is to be installed in the rear seat by the renter, facing toward the back. Should the renter
decline to install the seat, the Hertz representative may install the seat according to manufacturer
specifications.</Text>
        </Paragraph>
        <Paragraph>
          <Text>In California, child safety seats are required by law for children less than 2
years of age.</Text>
        </Paragraph>
      </SubSection>
    </EquipDesc>
    <EquipCharges>
      <EquipCharge TaxInclusive="false" CurrencyCode="USD">
        <MinMax MaxCharge="60.00"/>
        <Calculation UnitCharge="8.00" UnitName="Day"/>
        <Calculation UnitCharge="40.00" UnitName="Week"/>
      </EquipCharge>
    </EquipCharges>
  </SpecialEquipment>
  <SpecialEquipment Type="8">
    <EquipDesc>
      <SubSection SubTitle="CST - Child Seat Toddler">
        <Paragraph>
          <Text>Child seats are available at this location. The cost is USD 8.00 per day,
USD 40.00 per week up to a maximum charge of USD 60.00. This equipment is available for one-way rentals
at no additional charge. The seat commonly used by hertz is the century 2000 for children 21-40 pounds. The
seat is to be installed by the renter in the back seat of the car, facing forward. Should the renter decline to
install the seat, the Hertz representative may install the seat according to manufacturer specifications.</Text>
        </Paragraph>
        <Paragraph>
          <Text>In Texas, child safety seats are required by law for children less than 2
years of age.</Text>
        </Paragraph>
      </SubSection>
    </EquipDesc>
    <EquipCharges>
      <EquipCharge TaxInclusive="false" CurrencyCode="USD">
        <MinMax MaxCharge="60.00"/>
        <Calculation UnitCharge="8.00" UnitName="Day"/>

```

```

        <Calculation UnitCharge="40.00" UnitName="Week"/>
    </EquipCharge>
</EquipCharges>
</SpecialEquipment>
<SpecialEquipment Type="11">
    <EquipDesc>
        <SubSection SubTitle="HCR - Hand Control Right">
            <Paragraph>
                <Text>Hand controlled equipment is a device that attaches to the brake and gas
pedal. This allows a person to drive the vehicle without using legs. It is available at no additional cost.
Equipment may be confirmed with 24 hours advance booking. If advance booking is not met, equipment will
be requested. The equipment may be used on one-way rentals free of charge. Right hand controls are not
installed on PXAR, LWAR, PSAR, LDAR, LXAR, XSAR, XXAR, XCAR, PVAR, FVAR, LVAR, FKAR, IJAR,
SJAR, FJAR, IPAR, XDAR, PWAR and may be requested only on STAR and SFAR. Renters must bring their
own handicapped parking permit as Hertz does not provide handicapped ID cards or car stickers.</Text>
            </Paragraph>
        </SubSection>
    </EquipDesc>
</SpecialEquipment>
<SpecialEquipment Type="12">
    <EquipDesc>
        <SubSection SubTitle="HCL - Hand Control Left">
            <Paragraph>
                <Text>Hand controlled equipment is a device that attaches to the brake and gas
pedal. This allows a person to drive the vehicle without using legs. It is available at no additional cost.
Equipment may be confirmed with 24 hours advance booking. If advance booking is not met, equipment will
be requested. The equipment may be used on one-way rentals free of charge. Right hand controls are not
installed on PXAR, LWAR, PSAR, LDAR, LXAR, XSAR, XXAR, XCAR, PVAR, FVAR, LVAR, FKAR, IJAR,
SJAR, FJAR, IPAR, XDAR, PWAR and may be requested only on STAR and SFAR. Renters must bring their
own handicapped parking permit as Hertz does not provide handicapped ID cards or car stickers.</Text>
            </Paragraph>
        </SubSection>
    </EquipDesc>
</SpecialEquipment>
<SpecialEquipment Type="13">
    <EquipDesc>
        <SubSection SubTitle="NAV - Navigational System">
            <Paragraph>
                <Text>Neverlost is confirmable at this location. Neverlost is an on-board
navigational system. It is a route guidance system that provides turn-by-turn driving directions to thousands of
destinations within each participating locale by means of an in-car, 4 inch LCD video screen and computer
generated voice instructions. Neverlost is offered on CAR/IDAR/FCAR/FDAR/PCAR/LCAR at most locations,
at a cost of USD 8.00 per day, USD 40.00 per week.</Text>
            </Paragraph>
        </SubSection>
    </EquipDesc>
</SpecialEquipment>
</SpecialEquipments>
</ServicesOffered>
</OTA_VehLocDetailRS>

```

5.6. OTA_VehLocSearchRQ/RS

The Vehicle Location Search request message provides for a search of vendor locations based on input criteria. This allows the customer to find a location that is non-airport or a location when the customer does not know the airport code.

The criteria must be one or more of the following:

- a full address
- zip/postal code

- area code
- area code/exchange
- landmark name.

Note that only one search may be requested in the OTA_VehLocSearchRQ message. Multiple searches require the sending of multiple OTA_VehLocSearchRQ messages.

In the response, one or more vendor locations may be returned in a list format. The message shall include high-level information such as specific address and number of miles from the requested criteria.

5.6.1. Use Case1

5.6.1.1. Request: Vehicle Vendors at a Location

A traveler will be arriving at Heathrow Airport and inputs the airport code LHR to find out which rental car agencies are nearby.

OTA_VehLocSearchRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehLocSearchRQ xmlns="http://www.opentravel.org/OTA/2003/05" EchoToken="18723222"
TimeStamp="2003-03-31T16:10:00Z" Version="1.002" Target="Production" SequenceNmbr="1566"
ReqRespVersion="2.001" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_VehLocSearchRQ.xsd">
  <POS>
    <Source>
      <RequestorID URL="TrailFinders" Type="3" ID="IDJC595N"/>
      <BookingChannel Type="2" Primary="true"/>
    </Source>
    <Source>
      <RequestorID Type="5" ID="91201504"/>
    </Source>
  </POS>
  <VehLocSearchCriterion ExactMatch="true" ImportanceType="Mandatory">
    <RefPoint>LHR</RefPoint>
  </VehLocSearchCriterion>
</OTA_VehLocSearchRQ>
```

5.6.1.2. Response: Vehicle Vendors at a Location

Avis returns the following list of locations to the client:

London Heathrow Airport – located AT airport Northrop Rd. Hounslow, Middlesex London TW6 2QA United Kingdom	Telephone: (44) 020 8899 1000
Park Road – located OFF Airport Sunbury-On-Thames TW16 5BZ United Kingdom	Telephone: (44) 01932-781040

Park Royal – located OFF Airport
243 Acton Lane
London NW10 7NR
United Kingdom

Telephone: (44) 0208 453 1212

Kingston Autoway Svc Station – located OFF Airport
Shannon Corner Kingston Bypass
New Malden Surrey KT3 6HF
United Kingdom

Telephone: (44) 020 8949 7850

London W14 (Kensington) – Located OFF Airport
(Earls Court)
181-183 Warwick Road
London W14 8PU
United Kingdom

Telephone: (44) 0207-244 6577

OTA_VehLocSearchRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehLocSearchRS EchoToken="18723222-J0AE-0940" SequenceNmbr="1566" Target="Production"
TimeStamp="2003-03-31T19:39:30Z" Version="2.001" 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_VehLocSearchRS.xsd">
  <Success/>
  <VehMatchedLocs>
    <VehMatchedLoc>
      <LocationDetail AtAirport="true" Code="LHR" Name="London Heathrow Airport">
        <Address>
          <StreetNmbr>Northrop Rd</StreetNmbr>
          <AddressLine>Hounslow, Middlesex</AddressLine>
          <CityName>London</CityName>
          <PostalCode>TW6 2QA</PostalCode>
          <CountryName Code="GB">United Kingdom</CountryName>
        </Address>
        <Telephone PhoneNumber="(44) 020 8899 1000" FormattedInd="false"/>
      </LocationDetail>
    </VehMatchedLoc>
    <VehMatchedLoc>
      <LocationDetail AtAirport="false" Code="HD3" Name="Park Road">
        <Address>
          <CityName>Sunbury-On-Thames</CityName>
          <PostalCode>TW16 5BZ</PostalCode>
          <CountryName Code="GB">United Kingdom</CountryName>
        </Address>
        <Telephone PhoneNumber="(44) 01932-781040" FormattedInd="false"/>
      </LocationDetail>
    </VehMatchedLoc>
    <VehMatchedLoc>
      <LocationDetail AtAirport="false" Code="PR5" Name="Park Royal">
        <Address>
          <StreetNmbr>243 Acton Lane</StreetNmbr>
          <CityName>London</CityName>
          <PostalCode>NW10 7NR</PostalCode>
          <CountryName Code="GB">United Kingdom</CountryName>
        </Address>
        <Telephone PhoneNumber="(44) 0208 453 1212" FormattedInd="false"/>
      </LocationDetail>
    </VehMatchedLoc>
  </VehMatchedLocs>
```

```

<LocationDetail AtAirport="false" Code="KL7" Name="Kingston Autoway Svc Station">
  <Address>
    <StreetNmbr>Shannons Cornr Kingston Bypass</StreetNmbr>
    <CityName>New Malden Surrey</CityName>
    <PostalCode>KT3 6HF</PostalCode>
    <CountryName Code="GB">United Kingdom</CountryName>
  </Address>
  <Telephone PhoneNumber="(44) 020 8949 7850" FormattedInd="false"/>
</LocationDetail>
</VehMatchedLoc>
<VehMatchedLoc>
  <LocationDetail AtAirport="false" Code="LO3" Name="London W14 (Kensington)">
    <Address>
      <StreetNmbr>(Earls Court)</StreetNmbr>
      <AddressLine>181-183 Warwick Rd</AddressLine>
      <CityName>London</CityName>
      <PostalCode>W14 8PU</PostalCode>
      <CountryName Code="GB">United Kingdom</CountryName>
    </Address>
    <Telephone PhoneNumber="(44) 0207-244 6577" FormattedInd="false"/>
  </LocationDetail>
</VehMatchedLoc>
</VehMatchedLocs>
<Vendor>Avis</Vendor>
</OTA_VehLocSearchRS>

```

5.7. OTA_VehModifyRQ/RS

The Vehicle Modify message set is intended for customers to change information on an existing reservation. The Vehicle Modify message pair does not require a Retrieve Reservation message set to be used prior to the modify, but may be used in conjunction with one. The Vehicle Modify message set can only be used for a single, specific reservation and cannot be used to change multiple reservations at one time. A Vehicle Modify message can be a single phase or two-phase approach. For a single-phase message the client simply requests to “modify this reservation as follows....”. A two-phase message introduces the concept of a “what if” question (what if I modify this message as follows?). The response to the first phase will identify any penalties, any subsequent costs, etc. The second phase is where the action is confirmed to “go ahead and complete the request” or “ignore the request I just sent.”

The purpose of the request message is indicated using the Type Attribute:

- **Initiate**—indicates the initial request
- **Ignore**—stop the request
- **Confirm**—to complete the modification

The state of the response message using the Status Attribute:

- **Pending**—modification is possible but not completed
- **Ignored**— modification ignored
- **Cancelled**— modification completed

Vehicle Modify could be used in any of the following circumstances:

- Flight may be delayed or cancelled and customer would need to update their reservation arrival.
- Customer has additional passengers so would need to change the car reserved.
- Customer now requires special equipment that was not on their original reservation.
- Customer has changed travel plans to fly in to a different city so will need to adjust the arrival city.
- Customer has changed travel plans to fly in or out on a different date and/or time so will need to adjust the dates and/or times.
- Customer originally listed on the reservation is not going so the name on the reservation would need to change.

There are many other individual elements that could be changed but these are too numerous to list.

5.7.1. Use Case 1

This use case assumes that a single reservation has already been retrieved. For additional information, see the use case for Retrieve Reservation.

5.7.1.1. Request: Modify a Reservation Following Reservation Retrieval

Jeanne Grey reviews the information in the reservation and changes her drop-off date and time to July 27 at 6:30 pm. Since she is keeping the car for an extra day, this will have the effect of changing her rate and total charges.

OTA_VehModifyRQ.xml

```
<OTA_VehModifyRQ EchoToken="JSP1234" TimeStamp="2001-12-17T09:30:47-05:00" Version="1.002"
SequenceNmbr="1"
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_VehModifyRQ.xsd">
  <POS>
    <Source>
      <RequestorID Type="1" ID="TrailFinders"/>
      <!-- Type 1= Customer -->
    </Source>
    <Source>
      <RequestorID Type="6" ID="0108146B"/>
      <!-- Type 5= Travel agency, 6= Airline, 11= Tour Operator, 16= Reference -->
    </Source>
  </POS>
  <VehModifyRQCore Status="Available" ModifyType="Modify">
    <UniqueID Type="14" ID="04235134US1"/>
    <!-- Type 14= Reservation -->
    <VehRentalCore PickupDateTime="2003-07-25T15:30:00" ReturnDateTime="2003-07-27T18:30:00">
      <PickUpLocation LocationCode="STL"/>
      <ReturnLocation LocationCode="STL"/>
    </VehRentalCore>
    <Customer>
      <Primary>
        <PersonName>
          <GivenName>Jeanne</GivenName>
          <Surname>Grey</Surname>
        </PersonName>
      </Primary>
    </Customer>
  </VehModifyRQCore>
</OTA_VehModifyRQ>
```

```

        </PersonName>
        <CitizenCountryName Code="US"/>
    </Primary>
</Customer>
<VendorPref CompanyShortName="Avis">Avis Rent-A-Car</VendorPref>
<VehPref TypePref="Preferred" ClassPref="Only" AirConditionPref="Only" TransmissionPref="Only"
TransmissionType="Manual">
    <VehType VehicleCategory="1"/>
    <!-- 1=car, 2=van, 3=SUV-->
    <VehClass Size="5"/>
    <!-- 2= subcompact, 3= economy, 4= compact, 5= midsize, 6=intermediate, 7= std, 8=full, 9= lux, 10= prem -->
</VehPref>
<RateQualifier RateQualifier="F7" RateCategory="8G"/>
<!-- RateCategory 2=business, 3=leisure, 6=all -->
</VehModifyRQCore>
</OTA_VehModifyRQ>

```

5.7.1.2. Response: Modify a Reservation

The system confirms the change with the following information

Confirmation Number: 451J72
 Name: Jeanne Grey
 Pick Up Date: July 25, 2003 at 3:30 pm
 Drop Off Date: July 27, 2003 at 6:30 pm

Rental Office Address and Phone Number:
 ST. LOUIS AIRPORT (ON-SITE)
 10278 NATURAL BRIDGE ROAD
 BERKELEY, MO 63134-3313
 (314) 552-2500

Office Hours:
 24 hours a day, 7 days a week

Car and Rate Information:

Intermediate
 \$36.00 (Daily 2 Days @ 18.00)
 \$ 6.00 (Hourly 3 hours @ 2.00)
 \$10.00 (SURCHARGE 2 Days @ 5.00)
 \$52.00 (Subtotal)

SURCHARGE
 \$2.10 (AIRPORT ACCESS FEE)

Total charges \$54.10

Unlimited free miles

OTA_VehModifyRS.xml

```
<OTA_VehModifyRS EchoToken="JSP12345" Target="Production" Version="2.001" SequenceNbr="0"
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_VehModifyRS.xsd">
  <Success/>
  <VehModifyRSCore ModifyStatus="Modified">
    <VehReservation>
      <Customer>
        <Primary/>
      </Customer>
      <VehSegmentCore>
        <ConflID Type="14" ID="04235134US1"/>
        <Vendor>Avis</Vendor>
        <VehRentalCore PickUpDateTime="2003-07-25T15:30:00" ReturnDateTime="2003-07-
27T18:30:00">
          <PickUpLocation LocationCode="STL" CodeContext="IATA"/>
          <ReturnLocation LocationCode="STL" CodeContext="IATA"/>
        </VehRentalCore>
        <Vehicle AirConditionInd="true" TransmissionType="Manual">
          <VehType VehicleCategory="1"/>
          <!-- 1=car, 2=van, 3=SUV-->
          <VehClass Size="5"/>
          <!-- 2= subcompact, 3= economy, 4= compact, 5= midsize, 6=intermediate, 7= std, 8=full, 9= lux, 10=
prem-->
        </Vehicle>
        <RentalRate>
          <RateDistance Unlimited="true" DistUnitName="Mile" VehiclePeriodUnitName="RentalPeriod"/>
          <VehicleCharges>
            <VehicleCharge TaxInclusive="false" GuaranteedInd="false" IncludedInRate="true"
Amount="42.00" CurrencyCode="USD" Purpose="1">
              <TaxAmounts>
                <TaxAmount Total="5.58" CurrencyCode="USD" Description="Includes taxes and
surcharges"/>
              </TaxAmounts>
              <Calculation UnitName="Day" UnitCharge="18.00" Quantity="2"/>
              <Calculation UnitName="Hour" UnitCharge="2.00" Quantity="3"/>
            </VehicleCharge>
            <VehicleCharge TaxInclusive="true" Description="Additional Distance Charge"
GuaranteedInd="false" IncludedInRate="false" Amount="0.00" CurrencyCode="USD" Purpose="8"/>
            <VehicleCharge TaxInclusive="true" Description="Surcharge" GuaranteedInd="false"
IncludedInRate="false" Amount="10.00" CurrencyCode="USD" Purpose="5"/>
            <VehicleCharge TaxInclusive="true" Description="Airport Access Fee" GuaranteedInd="false"
IncludedInRate="false" Amount="2.10" CurrencyCode="USD" Purpose="5"/>
          </VehicleCharges>
          <RateQualifier RateCategory="2" RateQualifier="8G"/>
        </RentalRate>
        <TotalCharge RateTotalAmount="42.00" EstimatedTotalAmount="54.10" CurrencyCode="USD"/>
      </VehSegmentCore>
      <VehSegmentInfo>
        <PricedCoverages>
          <PricedCoverage>
            <Coverage CoverageType="1" Code="ALI">
              <Details CoverageTextType="Description">Additional Liability Insurance (ALI)</Details>
            </Coverage>
            <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="10.95" CurrencyCode="USD"/>
          </PricedCoverage>
          <PricedCoverage>
            <Coverage CoverageType="35" Code="PEP">
              <Details CoverageTextType="Description">Personal Effects Protection (PEP)</Details>
            </Coverage>
            <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="1.00" CurrencyCode="USD"/>
          </PricedCoverage>
        </PricedCoverages>
      </VehSegmentInfo>
    </VehReservation>
  </VehModifyRSCore>
</OTA_VehModifyRS>
```



```

</PricedCoverage>
<PricedCoverage>
  <Coverage CoverageType="32" Code="PAI">
    <Details CoverageTextType="Description">Personal Accident Insurance (PAI)</Details>
  </Coverage>
  <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="2.00" CurrencyCode="USD"/>
</PricedCoverage>
</PricedCoverages>
<LocationDetails AtAirport="true" Code="STL" Name="St. Louis Lambert International Airport"
CodeContext="Pickup Location">
  <Address>
    <StreetNmbr>10278 Natural Bridge Road</StreetNmbr>
    <CityName>Berkeley</CityName>
    <PostalCode>63134-3300</PostalCode>
    <StateProv StateCode="MO">Missouri</StateProv>
    <CountryName Code="US">U S A</CountryName>
  </Address>
  <Telephone PhoneNumber="(1) 314-552-2500"/>
</LocationDetails>
<LocationDetails AtAirport="true" Code="STL" Name="St. Louis Lambert International Airport"
CodeContext="Return Location">
  <Address>
    <StreetNmbr>10278 Natural Bridge Road</StreetNmbr>
    <CityName>Berkeley</CityName>
    <PostalCode>63134-3300</PostalCode>
    <StateProv StateCode="MO">Missouri</StateProv>
    <CountryName Code="US">U S A</CountryName>
  </Address>
  <Telephone PhoneNumber="(1) 314-552-2500"/>
</LocationDetails>
</VehSegmentInfo>
</VehReservation>
</VehModifyRSCore>
</OTA_VehModifyRS>

```

5.8. OTA_VehResRQ/RS

The Reservation message set is intended for a single reservation. This message set requires the customer to specify the location, either by a location search or by knowledge of the rental facility . This message set assumes the customer has already performed some kind of location search and pinpointed a specific rental branch. An Availability with Rates message set may have been exchanged prior to the Reservation message set, but this is not necessary. A vendor may make a single reservation upon receiving only the reservation message.

The Reservation messages can be used in any of the following circumstances:

- Customer is performing a single booking and will come into the branch office to pick-up and drop off the vehicle.
- Customer requires a pick-up service at their home or office. In this case, the *Off Location Services* element can be used to provide basic address information as well as special instructions.
- Customer requires delivery and collection service, where a car will be delivered to a specific location and the keys left in a secure place. Again, the *Off Location Services* element can be used to hold address information as well as special instructions.

Rates are already known to the customer or trading partner and only a reservation is needed to communicate the rental need.

Special equipment, such as hand controls or a baby seat can be accommodated through this message set. Special equipment can be returned related to a specific car, rather than as part of the more general reservation. Special circumstances such as chauffeur-driven cars are not accommodated in this message.

5.8.1. Use Case1

5.8.1.1. Request: Vehicle Reservation

Mr. Joe Bailey would like to rent an Intermediate car (with automatic transmission and air conditioning) in Oklahoma City. Mr. Bailey has indicated that he would like a 4-door car and will need a child seat. He will be arriving in Oklahoma City on American Airlines flight 1234 and will be picking up the car at the Oklahoma City Airport on November 1 at 10:30 a.m. and returning the car to the same location on November 9 at 10:00 a.m. He has indicated that he would prefer to rent from Hertz

Mr. Bailey has included his mailing address, phone number, e-mail address, Hertz #1 Club Gold number and American Airlines frequent flyer number in his rental request. Mr. Bailey has also included his Visa as the payment card for the rental.

OTA_VehResRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehResRQ 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_VehResRQ.xsd" Version="1.002">
  <POS>
    <Source PseudoCityCode="WXYZ" ISOCountry="US">
      <RequestorID Type="5" ID="88888888"/>
    </Source>
    <Source>
      <RequestorID Type="4" ID="T185">
        <CompanyName>Fun Travel</CompanyName>
      </RequestorID>
    </Source>
  </POS>
  <VehResRQCore Status="All">
    <VehRentalCore PickupDateTime="2003-11-01T10:30:00" ReturnDateTime="2003-11-
09T10:00:00">
      <PickUpLocation LocationCode="OKC"/>
      <ReturnLocation LocationCode="OKC"/>
    </VehRentalCore>
    <Customer>
      <Primary>
        <PersonName>
          <NamePrefix>Mr.</NamePrefix>
          <GivenName>Joe</GivenName>
          <Surname>Bailey</Surname>
          <NameSuffix>Jr.</NameSuffix>
        </PersonName>
        <Telephone PhoneTechType="1" AreaCityCode="405" PhoneNumber="5555828"/>
        <Email EmailType="2">JoeBailey@work.com</Email>
      </Primary>
    </Customer>
  </VehResRQCore>
</OTA_VehResRQ>
```

```

        <Address Type="2">
            <StreetNmbr>>123 Elm St.</StreetNmbr>
            <CityName>Oklahoma City</CityName>
            <PostalCode>73112</PostalCode>
            <StateProv>Oklahoma</StateProv>
        </Address>
        <CustLoyalty ProgramID="ZE" MembershipID="86720798" TravelSector="2"/>
        <CustLoyalty ProgramID="AA" MembershipID="1234567890" TravelSector="1"/>
    </Primary>
</Customer>
<VendorPref CompanyShortName="Hertz" Code="ZE" PreferLevel="Preferred"/>
<VehPref AirConditionInd="true" TransmissionType="Automatic">
    <VehType VehicleCategory="1" DoorCount="4"/>
    <VehClass Size="6"/>
</VehPref>
<DriverType Age="29"/>
<RateQualifier TravelPurpose="1" CorpDiscountNmbr="12345"/>
<SpecialEquipPrefs>
    <SpecialEquipPref EquipType="8" Quantity="1"/>
</SpecialEquipPrefs>
</VehResRQCore>
<VehResRQInfo>
    <ArrivalDetails TransportationCode="14" Number="1234">
        <OperatingCompany Code="AA"/>
    </ArrivalDetails>
    <RentalPaymentPref>
        <PaymentCard CardType="1" CardCode="VI" CardNumber="4128000548320918"
        ExpireDate="0707">
            <CardHolderName>Joe Bailey Jr</CardHolderName>
        </PaymentCard>
    </RentalPaymentPref>
</VehResRQInfo>
</OTA_VehResRQ>

```

5.8.1.2. Event: Response

Hertz confirms Mr. Bailey's booking and returns the following information:

Confirmation Number: C21358AC036

Recap of rental information:

Pickup Date/Time: 11/1/2003 at 10:30 a.m.

Return Date/Time: 11/9/2003 at 10:00 a.m.

Pickup/Return Location: OKC

Vehicle Information: Intermediate 4-door car with automatic transmission and a/c

Vehicle Descriptive Text: "FORD CONTOUR OR SIMILAR"

Rental Rate Information:

Mileage: Unlimited

Base Rate Total: USD \$200.00

Tax Information: USD \$24.00 / 12%

Rate Breakdown: \$150.00 per week / \$50.00 per day

Rate Category/Plan: Leisure - ABC123

Equipment Charges: USD \$30.00 - \$25.00/week - \$5.00/day

Fees: 1 @ \$25 and 1 @ \$75

Additional Information:

Advisory text

Location Information (name, address and phone number)

OTA_VehResRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_VehResRS 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_VehResRS.xsd" Version="2.001">
  <Success/>
  <VehResRSCore>
    <VehReservation>
      <Customer>
        <Primary>
          <PersonName>
            <NamePrefix>Mr.</NamePrefix>
            <GivenName>JOE</GivenName>
            <Surname>BAILEY</Surname>
            <NameSuffix>Jr.</NameSuffix>
          </PersonName>
        </Primary>
      </Customer>
      <VehSegmentCore>
        <ConfID Type="14" ID="C21358AC036"/>
        <Vendor CompanyShortName="Hertz" Code="ZE"/>
        <VehRentalCore PickUpDateTime="2003-11-01T10:30:00" ReturnDateTime="2003-11-
09T10:00:00">
          <PickUpLocation LocationCode="OKC"/>
          <ReturnLocation LocationCode="OKC"/>
        </VehRentalCore>
        <Vehicle AirConditionInd="true" TransmissionType="Automatic">
          <VehType VehicleCategory="1" DoorCount="4"/>
          <VehClass Size="6"/>
          <VehMakeModel Name="FORD CONTOUR OR SIMILAR"/>
        </Vehicle>
        <RentalRate>
          <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="RentalPeriod"/>
          <VehicleCharges>
            <VehicleCharge Amount="200.00" CurrencyCode="USD" TaxInclusive="false"
GuaranteedInd="true" Purpose="1">
              <TaxAmounts>
                <TaxAmount Total="24.00" CurrencyCode="USD" Percentage="12.00"
Description="Tax"/>
              </TaxAmounts>
              <Calculation UnitCharge="150.00" UnitName="Week" Quantity="0001"/>
              <Calculation UnitCharge="50.00" UnitName="Day" Quantity="0001"/>
            </VehicleCharge>
          </VehicleCharges>
          <RateQualifier RateCategory="3" RateQualifier="ABC123"/>
        </RentalRate>
        <PricedEquips>
          <PricedEquip>
            <Equipment EquipType="8"/>
            <Charge Amount="30.00" CurrencyCode="USD" TaxInclusive="false"
IncludedInRate="false">
              <TaxAmounts>
                <TaxAmount Total="3.90" CurrencyCode="USD" Percentage="12"/>
              </TaxAmounts>
              <Calculation UnitCharge="25.00" UnitName="Week" Quantity="0001"/>
            </Charge>
          </PricedEquip>
        </PricedEquips>
      </VehSegmentCore>
    </VehReservation>
  </VehResRSCore>
</OTA_VehResRS>
```

```

        <Calculation UnitCharge="5.00" UnitName="Day" Quantity="0001"/>
    </Charge>
</PricedEquip>
</PricedEquips>
<Fees>
    <Fee Amount="25.00" CurrencyCode="USD" TaxInclusive="false"
Description="SURCHARGE A:" Purpose="5"/>
    <Fee Amount="75.00" CurrencyCode="USD" TaxInclusive="false"
Description="SURCHARGE B:" Purpose="5"/>
</Fees>
<TotalCharge RateTotalAmount="200.00" EstimatedTotalAmount="324.00"
CurrencyCode="USD"/>
</VehSegmentCore>
<VehSegmentInfo>
    <VendorMessages>
        <VendorMessage>
            <SubSection>
                <Paragraph>
                    <Text>GOOD DRIVING RECORD REQUIRED</Text>
                    <Text>GOLD SERVICE CONFIRMED</Text>
                </Paragraph>
            </SubSection>
        </VendorMessage>
    </VendorMessages>
    <LocationDetails AtAirport="true" Code="OKCT11" Name="OKC-WILL ROGERS WORLD AP">
        <Address>
            <StreetNmbr>7100 Terminal Drive</StreetNmbr>
            <CityName>Oklahoma City</CityName>
            <PostalCode>73999</PostalCode>
            <StateProv>Oklahoma</StateProv>
        </Address>
        <Telephone PhoneTechType="1" AreaCityCode="405" PhoneNumber="6812341"/>
    </LocationDetails>
</VehSegmentInfo>
</VehReservation>
</VehResRSCore>
</OTA_VehResRS>

```

5.9. OTA_VehRetResRQ/RS

The Vehicle Retrieve Reservation message set is intended for customers to display their previously made reservation. This message set will allow a customer to retrieve one specific reservation or receive a list of reservations that match specific criteria. At least one field is required for a reservation match to occur. These fields are unique ID (reservation number) name, phone number or customer loyalty number. Trading partners may make additional fields mandatory. In the case where a list of reservations is retrieved, the list will provide key high- level information; such as, dates and times, pick-up location, name and type of class of the vehicle. From the list, the customer can then drill down and retrieve one specific reservation.

Vehicle Retrieve Reservation Request and Response could be used in any of the following circumstances:

- Customer may want to verify all information as being accurate. This reservation may have been made months ago or by a third party. The traveler may wish to verify that the reservation was made accurately and that all the information has not changed from the time the reservation was made.

- Customer is on the road and does not have his itinerary for his next location. Depending on the trading partner, this customer may be able to retrieve the reservation and see their next location or a list of locations to which they are going.
- Customer may want to modify their reservation. Depending on the trading partner, a Vehicle Retrieve Reservation may be required before a Vehicle Modify can be done.
- Customer wants to modify or cancel an existing reservation, but does not have the Unique ID (reservation number). In this case, the retrieve message function could be used to retrieve a list of reservations that matched the search criteria and the customer could then select a single reservation from the list on which to perform further action.

One of the following is required to complete a Vehicle Retrieve Reservation Request: a Unique ID, Customer Loyalty Number, or PersonName. Many companies may require a combination of these three. Other optional items are pickup information, telephone number, and vendor.

A Vehicle Retrieve Reservation Response may provide the same information as the Vehicle Reservation Response message.

5.9.1. Use Case 1

5.9.1.1. Request: Retrieve Reservation by Confirmation Number

Jeanne Grey has previously made a vehicle reservation with Avis, but she now needs to keep the car an extra day. Jeanne sends her reservation confirmation number of 451J72 and last name to the system.

OTA_VehRetResRQ.xml

```
<OTA_VehRetResRQ 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_VehRetResRQ.xsd" Version="1.002"
  EchoToken="JSP12345">
  <POS>
    <Source>
      <RequestorID Type="1" ID="TrailFinders"/>
      <!-- Type 1= Customer -->
    </Source>
  </POS>
  <VehRetResRQCore>
    <UniqueID Type="14" ID="04235134US1"/>
    <!-- Type 14= Reservation -->
    <PersonName>
      <Surname>Grey</Surname>
    </PersonName>
  </VehRetResRQCore>
</OTA_VehRetResRQ>
```

5.9.1.2. Response: Reservation Returned

Avis returns the following information:

Confirmation Number: 451J72
Name: Jeanne Grey
Pick Up Date: July 25, 2003 at 3:30 pm
Drop Off Date: July 26, 2003 at 8:30 am

Rental Office Address and Phone Number:
ST. LOUIS AIRPORT (ON-SITE)
10278 NATURAL BRIDGE ROAD
BERKELEY, MO 63134-3300
(314) 552-2500

Office Hours:
24 hours a day, 7 days a week.

Car and Rate Information:
Intermediate
\$18.00 (Daily 1 Days @ 18.00)
\$5.00 (SURCHARGE 1 Days @ 5.00)
\$23.00 (Subtotal)

SURCHARGE
\$2.10 (AIRPORT ACCESS FEE)

Total charges \$25.10

Unlimited free miles

OTA_VehRetResRS.xml

```
<OTA_VehRetResRS EchoToken="JSP12345" Target="Production" Version="1.002" SequenceNmbr="0"
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_VehRetResRS.xsd">
  <Success/>
  <VehRetResRSCore>
    <VehReservation>
      <Customer>
        <Primary/>
      </Customer>
      <VehSegmentCore>
        <ConfID Type="14" ID="04235134US1"/>
        <Vendor>Avis</Vendor>
        <VehRentalCore PickUpDateTime="2003-07-25T15:30:00" ReturnDateTime="2003-07-
26T08:30:00">
          <PickUpLocation LocationCode="STL" CodeContext="IATA"/>
          <ReturnLocation LocationCode="STL" CodeContext="IATA"/>
        </VehRentalCore>
        <Vehicle AirConditionInd="true" TransmissionType="Manual">
          <VehType VehicleCategory="1"/>
          <!-- 1=car, 2=van, 3=SUV-->
          <VehClass Size="5"/>
          <!-- 2= subcompact, 3= economy, 4= compact, 5= midsize, 6=intermediate, 7= std, 8=full, 9= lux, 10=
pre-->
        </Vehicle>
      <RentalRate>
```

```

        <RateDistance Unlimited="true" DistUnitName="Mile" VehiclePeriodUnitName="RentalPeriod"/>
        <VehicleCharges>
          <VehicleCharge TaxInclusive="false" GuaranteedInd="false" IncludedInRate="true"
Amount="18.00" CurrencyCode="USD" Purpose="1"/>
          <TaxAmounts>
            <TaxAmount Total="2.39" CurrencyCode="USD" Description="Includes taxes and
surcharges"/>
          </TaxAmounts>
          <Calculation UnitName="Day" UnitCharge="18.00" Quantity="1"/>
        </VehicleCharge>
        <VehicleCharge TaxInclusive="true" Description="Additional Distance Charge" GuaranteedInd="false"
IncludedInRate="false" Amount="0.00" CurrencyCode="USD" Purpose="8"/>
        <VehicleCharge TaxInclusive="true" Description="Surcharge" GuaranteedInd="false" IncludedInRate="false"
Amount="5.00" CurrencyCode="USD" Purpose="5"/>
        <VehicleCharge TaxInclusive="true" Description="Airport Access Fee" GuaranteedInd="false"
IncludedInRate="false" Amount="2.10" CurrencyCode="USD" Purpose="5"/>
      </VehicleCharges>
      <RateQualifier RateCategory="2" RateQualifier="8G"/>
    </RentalRate>
    <TotalCharge RateTotalAmount="18.00" EstimatedTotalAmount="25.10" CurrencyCode="USD"/>
  </VehSegmentCore>
  <VehSegmentInfo>
    <PricedCoverages>
      <PricedCoverage>
        <Coverage CoverageType="1" Code="ALI">
          <Details CoverageTextType="Description">Additional Liability Insurance (ALI)</Details>
        </Coverage>
        <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="10.95" CurrencyCode="USD"/>
      </PricedCoverage>
      <PricedCoverage>
        <Coverage CoverageType="35" Code="PEP">
          <Details CoverageTextType="Description">Personal Effects Protection (PEP)</Details>
        </Coverage>
        <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="1.00" CurrencyCode="USD"/>
      </PricedCoverage>
      <PricedCoverage>
        <Coverage CoverageType="32" Code="PAI">
          <Details CoverageTextType="Description">Personal Accident Insurance (PAI)</Details>
        </Coverage>
        <Charge TaxInclusive="false" Description="Coverage costs are quoted per day"
IncludedInRate="false" Amount="2.00" CurrencyCode="USD"/>
      </PricedCoverage>
    </PricedCoverages>
    <LocationDetails AtAirport="true" Code="STL" Name="St. Louis Lambert International Airport"
CodeContext="Pickup Location">
      <Address>
        <StreetNmbr>10278 Natural Bridge Road</StreetNmbr>
        <CityName>Berkeley</CityName>
        <PostalCode>63134-3300</PostalCode>
        <StateProv StateCode="MO">Missouri</StateProv>
        <CountryName Code="US">U S A</CountryName>
      </Address>
      <Telephone PhoneNumber="(1) 314-552-2500"/>
    </LocationDetails>
    <LocationDetails AtAirport="true" Code="STL" Name="St. Louis Lambert International Airport"
CodeContext="Return Location">
      <Address>
        <StreetNmbr>10278 Natural Bridge Road</StreetNmbr>
        <CityName>Berkeley</CityName>
        <PostalCode>63134-3300</PostalCode>
        <StateProv StateCode="MO">Missouri</StateProv>
        <CountryName Code="US">U S A</CountryName>
      </Address>
      <Telephone PhoneNumber="(1) 314-552-2500"/>
    </LocationDetails>
  </VehSegmentInfo>

```



```
</LocationDetails>  
</VehSegmentInfo>  
</VehReservation>  
</VehRetResRSCore>  
</OTA_VehRetResRS>
```

Section 6— Destination Activities

Travelers often want localised experiences during their vacation or journey. These may include taking guided tours, attending performances or shows, and buying tickets to local attractions. All these products, while varying greatly in makeup, are collectively termed here Destination Activities. The purpose of these messages is to enable the electronic distribution and sale of this type of product. The messages available here are for requesting the reservation functionality of a target system and making a reservation. Future versions will support availability requests, modification, and the transfer of descriptive information, rates and inventory.

6.1. OTA_DestActivityCapabilitiesRQ/RS

Just as the variety of product types within this Leisure Activity space is large, the variety of systems built to support them is similarly wide. There is little standardisation of systems or concepts within this industry segment. Thus creating one simple specification that will adequately cater for all systems is challenging at best.

Due to the differences between various wholesaler and operator systems, a means has been introduced to enable a ‘seller’ system to discover the capabilities of a ‘target’ system. These capabilities outline the differences between various target systems. Once the capabilities of a target system have been discovered, the seller system may either alter its behaviour in regards to selling that target product, or choose not to offer that product range.

- **OTA_DestActivityCapabilitiesRQ**—Sends a request for available functionality to another system.
- **OTA_DestActivityCapabilitiesRS**—Returns a set of data representing the available functionality in the system. Returned data contains:

MultipleItemsInd

Whether the target system supports receiving multiple items in one reservation call, like a shopping cart. Some target reservation systems do not support receiving multiple items in one reservation call. In this case, if the seller system sells multiple products in its shopping cart from the one target system, one reservation call per item must be sent.

CustSubAllocationInd

(Assumes that MultipleItemsInd is true, and thus a reservation request may have multiple items). Indicates whether the target system supports having a subset of the traveller group utilised per item. For example, a family of four (husband, wife, two children) are making a reservation, and details for all four family members are sent. There are three items in the cart – a family ticket to an

amusement park (which all four members are using), a hop-on, hop-off bus tour (again with all four family members), and a museum ticket for only the husband and wife (and priced and sold as two adults only).

If 'CustSubAllocationInd' is true, the target system supports this arrangement; all traveller details are sent, and a list of which travellers are utilising a service are specified per item.

If 'CustSubAllocationInd' is false, the target system does not support this behaviour. The seller system must either send down two separate reservations, or prohibit this configuration during customer sale.

FullCustDetailsInd

Some target systems require that all customer details are sent – if four travellers are specified, then all four names must be supplied. However, many other target (and seller) systems only require one contact name, and just a count of the remaining travellers. To support this behaviour, if FullCustDetails is true, the seller system must supply all traveller details for any reservation. The seller system may then either:

- Collect all traveller details only when necessary – only when selling product for this type of target system
- Collect all traveller details all the time, or
- Elect not to sell product from this target system.

6.1.1. Use Case 1*

6.1.1.1. Request: Destination Activity Capabilities Request

A consumer facing system is connecting to a vendor reservation system for the first time. It needs to discover the vendor's capabilities so it can format the following requests appropriately.

OTA_DestActivityCapabilitiesRQ.xml

```
<?xml version='1.0' encoding="UTF-8"?>
<OTA_DestActivityCapabilitiesRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_DestActivityCapabilitiesRQ.xsd" = "1.000"
TimeStamp="2005-01-03T12:20:00Z" EchoToken="12345" = "123456" Target="Test"/>
```

6.1.1.2. Response: Destination Activity Capabilities Response

The vendor system responds that it can handle multiple items, but cannot manage passenger suballocation. It also requires all traveller details to be sent.

OTA_DestActivityCapabilitiesRS.xml

```
<?xml version='1.0' encoding="UTF-8"?>
<OTA_DestActivitycapabilitiesRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_DestActivityCapabilitiesRS.xsd" Version="1.000"
TimeStamp="2005-01-03T12:20:00Z" EchoToken="12345" Target="Test"="true"
CustSubAllocationInd="false" FullCustDetailsInd="true"/>
```

6.2. OTA_DestActivityResRQ/RS

- **OTA_DestActivityResRQ**—Sends a request for a reservation to another system.
- **OTA_DestActivityResRS**—Returns the requested reservation if the request can be processed, or includes warnings from business processing rules or errors if the request did not succeed.

6.2.1. Use Case 1*

6.2.1.1. Request: Destination Activity Reservation

Fred Jones and his wife Sarah want to book a river cruise during the day, and a 7 pm dinner show in the evening for their night in Paris on May 1st. They are staying at the Paris Marriot. The reservation system originally replied with the capabilities (FullTravelerDetails=true, MultipleItems=true, PaxSubAllocation=false).

OTA_DestActivityResRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_DestActivityResRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_DestActivityResRQ.xsd" Version="1.000"
TimeStamp="2005-01-03T12:20:00Z" EchoToken="12345" SequenceNmbr="123456" Target="Test">
  <POS>
    <Source>
      <RequestorID ID="Viator" Type="18"/>
      <BookingChannel Primary="true" Type="2">
        <CompanyName>Viator</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <DestActivityReservation>
    <UniqueID URL="http://www.viator.com" ID="786546" Type="13"/>
    <Travelers>
      <Traveler RPH="1">
        <Profile>
          <Customer BirthDate="1966-06-30" Gender="Male">
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>Fred</GivenName>
              <Surname>Jones</Surname>
            </PersonName>
            <Telephone CountryAccessCode="1" PhoneNumber="5551212" AreaCityCode="410"
PhoneTechType="1" PhoneUseType="3"/>
            <Telephone CountryAccessCode="1" PhoneNumber="5553456" AreaCityCode="410"
PhoneTechType="5" PhoneUseType="4"/>
          </Customer>
        </Profile>
      </Traveler>
    </Travelers>
  </DestActivityReservation>
</OTA_DestActivityResRQ>
```

```

        <Email EmailType="1">fred.jones@hotmail.com</Email>
        <Address>
            <AddressLine>12 Main Street</AddressLine>
            <CityName>Toledo</CityName>
            <PostalCode>45000</PostalCode>
            <StateProv StateCode="OH"/>
            <CountryName Code="US"/>
        </Address>
    </Customer>
</Profile>
</Traveler>
<Traveler RPH="2">
    <Profile>
        <Customer BirthDate="1968-11-15" Gender="Female">
            <PersonName>
                <NamePrefix>Mrs</NamePrefix>
                <GivenName>Sarah</GivenName>
                <Surname>Jones</Surname>
            </PersonName>
        </Customer>
    </Profile>
</Traveler>
</Travelers>
<Contact RPH="1"/>
<DestActivityItems>
    <Item ItemCode="PARRC1" SelectedDate="2005-05-01">
        <NegotiatedPrice AmountAfterTax="55" CurrencyCode="USD"/>
        <SellingPrice AmountAfterTax="65" CurrencyCode="USD"/>
        <HotelStay HotelName="Paris Marriot"/>
        <ItemReferences>
            <ItemReference Type="13" ID="7654365" URL="http://www.viator.com"/>
        </ItemReferences>
    </Item>
    <Item ItemCode="PARDS4" SelectedDate="2005-05-01" SelectedTime="19:00:00Z">
        <NegotiatedPrice AmountAfterTax="104" CurrencyCode="USD"/>
        <SellingPrice AmountAfterTax="140" CurrencyCode="USD"/>
        <HotelStay HotelName="Paris Marriot"/>
        <ItemReferences>
            <ItemReference Type="13" ID="7654366" URL="http://www.viator.com"/>
        </ItemReferences>
    </Item>
</DestActivityItems>
</DestActivityReservation>
</OTA_DestActivityResRQ>

```

6.2.1.2. Response: Destination Activity Reservation Confirmation

A response is returned to Fred confirming his reservation and giving him a reservation id. The response also contains information concerning where they will be picked up, and what time, for the dinner show.

OTA_DestActivityResRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_DestActivityResRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
    xmlns="http://www.opentravel.org/OTA/2003/05"
    xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_DestActivityResRS.xsd" Version="1.000"
    TimeStamp="2005-01-03T12:20:00Z" EchoToken="12345" SequenceNmbr="123456" Target="Test">
    <Success/>
    <ReservationReferences>
        <ReservationReference Type="13" ID="786546" URL="http://www.viator.com"/>
        <ReservationReference Type="14" ID="SMI567" URL="http://www.paris.com"/>
    </ReservationReferences>
    <ReservationResponseItems>

```

```

<Item>
  <ReservationItemReferences>
    <ReservationItemReference Type="13" ID="7654365" URL="http://www.viator.com"/>
    <ReservationItemReference Type="14" ID="SMI567a" URL="http://www.paris.com"/>
  </ReservationItemReferences>
</Item>
<Item PickupTime="18:00:00">
  <PickupLocation>
    <Text>Paris Marriot Lobby</Text>
  </PickupLocation>
  <ReservationItemReferences>
    <ReservationItemReference Type="13" ID="7654366" URL="http://www.viator.com"/>
    <ReservationItemReference Type="14" ID="SMI567b" URL="http://www.paris.com"/>
  </ReservationItemReferences>
</Item>
</ReservationResponseItems>
</OTA_DestActivityResRS>

```

6.3. OTA_DestActivityRetrieveRS

The Destination Activity Retrieve response message is the response to OTA's generic Read Request for a previously booked itinerary. The response provides the request parameters originally passed to make the booking, as well as the response returned, including informing the requestor if the booking was successfully retrieved, and provides warning messages.

6.3.1. Use Case 1*

6.3.1.1. Request: Reservation Retrieve Request

A consumer facing system requests details of a previously created booking.

OTA_ReadRQ6.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://www.opentravel.org/OTA/2003/05"
  xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_ReadRQ.xsd" Version="1.000"
  Timestamp="2005-01-04T12:20:00Z" EchoToken="12345" SequenceNmbr="123456" Target="Test">
  <POS>
    <Source>
      <RequestorID ID="Viator" Type="18"/>
      <BookingChannel Primary="true" Type="2">
        <CompanyName>Viator</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <UniqueID URL="http://www.viator.com" ID="786546" Type="13"/>
</OTA_ReadRQ>

```

6.3.1.2. Response: Destination Activity Retrieve Response

The vendor system responds with the full details previously passed in and returned from the reservation.

OTA_DestActivityRetrieveRS.xml

```
<?xml version='1.0' encoding="UTF-8"?>
<OTA_DestActivityRetrieveRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_DestActivityCapabilitiesRS.xsd" = "1.000"
TimeStamp="2005-01-04T12:20:00Z" EchoToken="12345" = "123456" Target="Test">
  <DestActivityReservation SeniorTravelerCount="0" AdultTravelerCount="2" ChildTravelerCount="0"
  InfantTravelerCount="0">
    <UniqueID URL="http://www.viator.com" ID="786546" Type="13"/>
    <Travelers>
      <Traveler RPH="1">
        <Profile>
          <Customer BirthDate="1966-06-30" Gender="Male">
            <PersonName>
              <NamePrefix>Mr</NamePrefix>
              <GivenName>Fred</GivenName>
              <Surname>Jones</Surname>
            </PersonName>
            <Telephone CountryAccessCode="1" PhoneNumber="5551212"
AreaCityCode="410" PhoneTechType="1" PhoneUseType="3"/>
            <Telephone CountryAccessCode="1" PhoneNumber="5553456"
AreaCityCode="410" PhoneTechType="5" PhoneUseType="4"/>
            <Email EmailType="1">fred.jones@hotmail.com</Email>
            <Address>
              <AddressLine>12 Main Street</AddressLine>
              <CityName>Toledo</CityName>
              <PostalCode>45000</PostalCode>
              <StateProv StateCode="OH"/>
              <CountryName Code="US"/>
            </Address>
          </Customer>
        </Profile>
      </Traveler>
      <Traveler RPH="2">
        <Profile>
          <Customer BirthDate="1968-11-15" Gender="Female">
            <PersonName>
              <NamePrefix>Mrs</NamePrefix>
              <GivenName>Sarah</GivenName>
              <Surname>Jones</Surname>
            </PersonName>
          </Customer>
        </Profile>
      </Traveler>
    </Travelers>
    <Contact>
      <TravelerRPH RPH="1"/>
    </Contact>
    <DestActivityItems>
      <Item ItemCode="PARRC1" SelectedDate="2005-05-01">
        <NegotiatedPrice AmountAfterTax="55" CurrencyCode="USD"/>
        <SellingPrice AmountAfterTax="65" CurrencyCode="USD"/>
        <HotelStay>
          <Name>Paris Marriot</Name>
        </HotelStay>
        <ItemReferences>
          <ItemReference Type="13" ID="7654365" URL="http://www.viator.com"/>
        </ItemReferences>
      </Item>
      <Item ItemCode="PARDS4" SelectedDate="2005-05-01" SelectedTime="19:00:00Z">
        <NegotiatedPrice AmountAfterTax="104" CurrencyCode="USD"/>
        <SellingPrice AmountAfterTax="140" CurrencyCode="USD"/>
        <HotelStay>
```

```

        <Name>Paris Marriot</Name>
    </HotelStay>
    <ItemReferences>
        <ItemReference Type="13" ID="7654366" URL="http://www.viator.com"/>
    </ItemReferences>
</Item>
</DestActivityItems>
</DestActivityReservation>
<Success/>
<ReservationReferences>
    <ReservationReference Type="13" ID="786546" URL="http://www.viator.com"/>
    <ReservationReference Type="14" ID="SMI567" URL="http://www.paris.com"/>
</ReservationReferences>
<ReservationResponseItems>
    <Item>
        <ReservationItemReferences>
            <ReservationItemReference ResID_Type="13" ID="7654365"
URL="http://www.viator.com"/>
            <ReservationItemReference ResID_Type="14" ID="SMI567a"
URL="http://www.paris.com"/>
        </ReservationItemReferences>
    </Item>
    <Item PickupTime="18:00:00">
        <PickupLocation>Paris Marriot Lobby</PickupLocation>
        <ReservationItemReferences>
            <ReservationItemReference Type="13" ID="7654366" URL="http://www.viator.com"/>
            <ReservationItemReference Type="14" ID="SMI567b" URL="http://www.paris.com"/>
        </ReservationItemReferences>
    </Item>
</ReservationResponseItems>
</OTA_DestActivityRetrieveRS>

```


Section 7—Golf Tee Times

The OTA Golf Tee Times provides three separate request/response pairs of messages to support the functionality of requesting data from another system in the process of finding a golf course, inquiring as to availability, and booking a tee time. All message sets assume a pull model, where the originating system requests a specific set of data (as agreed by trading partners).

All messages assume the no-state, meaning that the originating system will initiate the transaction and expect a response from the queried system. All message responses include the request identification. Responses may be returned in any order.

7.1. OTA_GolfCourseAvailRQ/RS

- **OTA_GolfCourseAvailRQ**—Sends a request for course availability to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_GolfCourseAvailRS**—Returns the requested set of data if the request can be processed, or includes warnings from business processing rules or errors if the request did not succeed.

7.1.1. Use Case 1

7.1.1.1. Request: Golf Course Availability

Herman and three of his friends would like to play golf on October 31 and tee off between 1:00 and 2:30. They are interested in playing at the course with the identifier of FL1234. The maximum price that they want to pay for 18 holes is \$80.00 per person. Herman sends a request message checking on the availability and cost for 18 holes of golf.

OTA_GolfCourseAvailRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseAvailRQ 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_GolfCourseAvailRQ.xsd"
  EchoToken="12345" TimeStamp="1003-05-31T13:20:00-05:00" Target="Production" Version="1.001"
  SequenceNbr="123456">
  <GolfCourseTeeTimes CourseID="FL1234">
    <GolfCourseTeeTime Start="2003-10-31T13:00:00" End="2003-10-31T14:30:00"
      NumberOfGolfers="4" NumberOfHoles="18" NumberOfTimes="1" MaxPrice="80.00" CurrencyCode="USD">
    </GolfCourseTeeTime>
  </GolfCourseTeeTimes>
</OTA_GolfCourseAvailRQ>
```

7.1.1.2. Response: Golf Course Availability

Herman receives a response indicating that there is availability on October 31 between 1:00 and 2:30. The green fee is \$70.00 per person with a cart fee of \$11.00 per person.

OTA_GolfCourseAvailRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseAvailRS 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_GolfCourseAvailRS.xsd"
  EchoToken="12345" TimeStamp="2003-05-31T13:20:00-05:00" Target="Production" Version="1.001"
  SequenceNbr="123456">
  <Success/>
  <UniqueID Type="4" ID="FL1234">
  </UniqueID>
  <GolfCourseTeeTimes>
    <GolfCourseTeeTime Start="2003-10-31T13:00:00" End="2003-10-31T14:30:00"
      NumberOfGolfers="4" NumberOfHoles="18" NumberOfTimes="1" MaxPrice="80.00" CurrencyCode="USD">
      <Fees>
        <Fee TaxInclusive="true" Amount="70.00" CurrencyCode="USD">
          <Description Name="GreensFee">
            <Text Formatted="false" Language="EN"/>
          </Description>
        </Fee>
        <Fee TaxInclusive="true" Amount="11.00" CurrencyCode="USD">
          <Description Name="CartFee">
            <Text Formatted="false" Language="EN"/>
          </Description>
        </Fee>
      </Fees>
    </GolfCourseTeeTime>
  </GolfCourseTeeTimes>
</OTA_GolfCourseAvailRS>
```

7.2. OTA_GolfCourseResRQ/RS

- **OTA_GolfCourseResRQ**—Sends a request for a reservation to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_GolfCourseResRS**—Returns the requested reservation if the request can be processed, or includes warnings from business processing rules or errors if the request did not succeed.

7.2.1. Use Case 1

7.2.1.1. Request: Golf Course Reservation

Bobby Jones wishes to play a round of golf with a friend on June 10 teeing off at 11:06. He also wants to reserve one golf cart. Bobby sends a reservation request to a golf course with the identifier FL1234. The reservation includes his name, address, phone number and credit card information.

OTA_GolfCourseResRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseResRQ 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_GolfCourseResRQ.xsd"
  EchoToken="12345" TimeStamp="2003-05-30T13:20:00Z" Target="Production" Version="1.002"
  SequenceNmbr="123456" ID="FL1234" Notification="true">
  <GolfCoursesRes>
    <GolfCourseRes Status="New" StatusMessage="New Reservation Request"
      ResponderResConfID="11223344" RequestorResID="22113344">
      <Rounds>
        <Round RoundID="23456" PlayDateTime="2003-06-10T11:06:00" NumberOfGolfers="2"
          StartingTee="1" NumberOfCarts="1" Amount="140.00" CurrencyCode="USD">
          <Charges>
            <Charge TaxInclusive="true" Code="7" Amount="70.00" CurrencyCode="USD">
              <Description Name="Standard Rate - Tourist">
                <Text Formatted="false" Language="EN"/>
              </Description>
            </Charge>
          </Charges>
          <Golfers>
            <Golfer Gender="Male" BirthDate="1923-06-03">
              <Memberships>
                <Membership ProgramID="NGCOA" MembershipID="4123546"/>
              </Memberships>
              <PaymentForm>
                <PaymentCard CardType="1" CardCode="AX"
                  CardNumber="3145234356876223" SeriesCode="1122334" EffectiveDate="0800" ExpireDate="0804">
                  <CardHolderName>Mr. Bobby Jones</CardHolderName>
                  <CardIssuerName BankID="1122334455"/>
                </PaymentCard>
              </PaymentForm>
              <PersonName>
                <NamePrefix>Mr.</NamePrefix>
                <GivenName>Bobby</GivenName>
                <Surname>Jones</Surname>
              </PersonName>
              <Address Type="1">
                <StreetNmbr>123 Augusta Lane</StreetNmbr>
                <CityName>Atlanta</CityName>
                <PostalCode>23456</PostalCode>
                <StateProv StateCode="GA">Georgia</StateProv>
                <CountryName Code="US">United States</CountryName>
              </Address>
              <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="703"
                PhoneNumber="444-5555"/>
            </Golfer>
          </Golfers>
          <RateQualifiers>
            <RateQualifier RateQualifier="NGCOA">
            </RateQualifier>
          </RateQualifiers>
        </Round>
      </Rounds>
      <ResID Type="14" ID="123">
      </ResID>
    </GolfCourseRes>
  </GolfCoursesRes>
</OTA_GolfCourseResRQ>
```

7.2.1.2. Response: Golf Course Reservation Confirmation

A response is sent to Bobby confirming his reservation and giving him a reservation id. The response also contains information concerning cancellation penalties and date and time by which a cancellation must be made.

OTA_GolfCourseResRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseResRS 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_GolfCourseResRS.xsd"
  EchoToken="12345" TimeStamp="2003-05-30T13:20:00Z" Target="Production" Version="1.002"
  SequenceNbr="123456" ID="FL1234">
  <Success/>
  <GolfCoursesRes>
    <GolfCourseRes Status="New" StatusMessage="New Reservation Request"
      RequestorResID="AC4132" ResponderResConfID="11223344">
      <Rounds>
        <Round RoundID="23456" PlayDateTime="2003-06-10T11:06:00" NumberOfGolfers="2"
          StartingTee="1" NumberOfCarts="1" Amount="140.00" CurrencyCode="USD">
          <Charges>
            <Charge TaxInclusive="true" Code="7" Amount="70.00" CurrencyCode="USD">
              <Description Name="Standard Rate - Tourist">
                <Text Formatted="false" Language="EN"/>
              </Description>
            </Charge>
          </Charges>
          <Cancel CancelByDate="2003-06-10T11:06:00" Amount="55.00" CurrencyCode="USD"/>
          <Golfers>
            <Golfer Gender="Male" BirthDate="1923-06-03">
              <Memberships>
                <Membership ProgramID="NGCOA" MembershipID="4123546"/>
              </Memberships>
              <PaymentForm>
                <PaymentCard CardType="1" CardCode="AX"
                  CardNumber="3145234356876223" SeriesCode="1122334" EffectiveDate="0800" ExpireDate="0804">
                  <CardHolderName>Mr. Bobby Jones</CardHolderName>
                  <CardIssuerName BankID="1122334455"/>
                </PaymentCard>
              </PaymentForm>
              <PersonName>
                <NamePrefix>Mr.</NamePrefix>
                <GivenName>Bobby</GivenName>
                <Surname>Jones</Surname>
              </PersonName>
              <Address Type="1">
                <StreetNmbr>123 Augusta Lane</StreetNmbr>
                <CityName>Atlanta</CityName>
                <PostalCode>23456</PostalCode>
                <StateProv StateCode="GA">Georgia</StateProv>
                <CountryName Code="US">United States</CountryName>
              </Address>
              <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="703"
                PhoneNumber="444-5555"/>
            </Golfer>
          </Golfers>
          <RateQualifiers>
            <RateQualifier RateQualifier="NGCOA">
            </RateQualifier>
          </RateQualifiers>
        </Round>
      </Rounds>
    </GolfCourseRes>
  </GolfCoursesRes>
</OTA_GolfCourseResRS>
```

```

        <ResID Type="14" ID="123">
    </ResID>
    </GolfCourseRes>
</GolfCoursesRes>
</OTA_GolfCourseResRS>

```

7.3. OTA_GolfCourseSearchRQ/RS

- **OTA_GolfCourseSearchRQ**—Sends a request for course information to another system. All the elements and attributes are optional, unless otherwise stated as required. The requesting system may request a detailed or summary response.
- **OTA_GolfCourseSearchRS**—Returns a set of data representing the course(s) that meet the requested criteria. Where the criteria attribute of Required is “Yes” then only those courses that meet those criteria will be returned. Where the Required attribute is “No” then a course that does not meet the specified criteria may be included in the set. In all cases, where the criteria have been included in the request, the comparable trait and its value will be returned, along with the basic course information and identification. The message may also include warnings from business processing rules or errors if the request did not succeed.

7.3.1. Use Case 1

7.3.1.1. Request: Golf Course Search

A golfer is interested in finding a golf course that meets the following criteria: the architect is Robert Jones, it allows singles to make a reservation, wheelchairs are allowed and it has a slope value of 110 degrees. The golfer also specifies for each of the criteria if it has to be met in order for the golf course to be returned in the response. A message is sent with the criteria for searching for a golf course.

OTA_GolfCourseSearchRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseSearchRQ 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_GolfCourseSearchRQ.xsd"
  EchoToken="54321" TimeStamp="2003-11-12T10:30:00" Target="Production" Version="1.001"
  SequenceNmbr="2432" PrimaryLangID="en" ID="FL4902" DetailResponse="true">
  <Criteria>
    <Criterion Name="Architect" Value="Robert Jones" Required="false"/>
    <Criterion Name="Singles Confirmed" Value="Yes" Required="true"/>
    <Criterion Name="ADA Challenged" Value="Wheelchair" Required="true"/>
    <Criterion Name="Slope" Value="110" Required="true" Operation="LessThan"/>
  </Criteria>
</OTA_GolfCourseSearchRQ>

```

7.3.1.2. Response: Golf Course Information Returned

A response is received with two golf courses, one of which does not satisfy the architect criteria. The response returns address information for each of the courses, the phone numbers, and other information about the course.

OTA_GolfCourseSearchRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_GolfCourseSearchRS 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_GolfCourseSearchRS.xsd"
  EchoToken="54321" TimeStamp="2003-11-12T10:30:15" Target="Production" Version="1.002"
  SequenceNmbr="2433" PrimaryLangID="en">
  <Success/>
  <GolfCourses>
    <GolfCourse ID="FL1234" Name="Sea Grass Golf Resort">
      <Address>
        <CityName>Jupiter</CityName>
        <PostalCode>21921</PostalCode>
        <County>Palm Beach</County>
        <StateProv StateCode="FL"/>
        <CountryName Code="US"/>
      </Address>
      <Phone AreaCityCode="444" PhoneNumber="423-8954"/>
      <Traits>
        <Trait Name="Architect" Value="Robert Jones"/>
        <Trait Name="Singles Confirmed" Value="Yes"/>
        <Trait Name="ADA Challenged" Value="Wheelchair"/>
        <Trait Name="Slope" Value="110"/>
        <Trait Name="Metal Spikes" Value="No"/>
        <Trait Name="Caddies Available" Value="No"/>
        <Trait Name="Yardage" Value="6345"/>
        <Trait Name="Personal Carts Permitted" Value="No"/>
        <Trait Name="Fivesome" Value="No"/>
        <Trait Name="Grass Type" Value="Bermuda"/>
      </Traits>
    </GolfCourse>
    <GolfCourse ID="FL4321" Name="Beach Side Golf Resort">
      <Address>
        <CityName>Palm Beach Gardens</CityName>
        <PostalCode>21932</PostalCode>
        <County>Palm Beach</County>
        <StateProv StateCode="FL"/>
        <CountryName Code="US"/>
      </Address>
      <Phone AreaCityCode="444" PhoneNumber="423-2876"/>
      <Traits>
        <Trait Name="Architect" Value="Jack Nicklaus"/>
        <Trait Name="Singles Confirmed" Value="Yes"/>
        <Trait Name="ADA Challenged" Value="Wheelchair"/>
        <Trait Name="Slope" Value="112"/>
        <Trait Name="Metal Spikes" Value="Yes"/>
        <Trait Name="Caddies Available" Value="Yes"/>
        <Trait Name="Yardage" Value="7102"/>
        <Trait Name="Fivesome" Value="Yes"/>
        <Trait Name="Grass Type" Value="Rye"/>
      </Traits>
    </GolfCourse>
  </GolfCourses>
</OTA_GolfCourseSearchRS>
```

Section 8—Hotel Messages

8.1. OTA_HotelAvailRQ/RS

The Hotel Availability Request message provides the ability to search for hotel products available for booking. Most commonly, a search for availability is looking for a room that may be available at certain rates, have certain room amenities, be of a specific room type, etc. A request can also be made for a non-room product, such as banquets and meeting rooms. Typically, an availability request is made with the intent to ultimately book a reservation for an event or for a room stay.

The Hotel Availability Request allows a system to query another system for detailed availability and pricing information for both room and non-room products. A Hotel Availability Request is used in place of a Hotel Search Request when there is a need to identify availability and rate information in addition to the property list.

This specification addresses the functionality of a traditional request for availability of a property or list of properties. It allows for a request for ‘static’ property data published by the hotel, that includes information about the hotel facilities, amenities, services, etc., as well as ‘dynamic’ (e.g., rate oriented) data. For example, a hotel may have an AAA or AARP rate, but it may not necessarily offer it at all times, which affects the availability of the rate.

The availability request can be limited to the individual property level, requiring that the hotel has been identified, in order to be able to perform an availability request and determine the rate and availability at a specific property. It is presumed that the wide area search, or Hotel Search Query, has preceded the availability message to obtain a list of eligible properties. However, a request for availability could be performed on multiple properties simultaneously by specifying multiple hotels. An availability request with search criteria will allow a list of properties to be returned, but with greater property detail, including property info, room/rate info, availability and rules. Due to the amount of information returned for a given property, a Hotel Search Request may be more fitting when only a basic list of properties is required.

The business use cases that the Hotel Availability Request message supports are the following:

- **Availability/Single Property**—determines the availability within the constraints of specified criteria for a single identified property.
- **Availability/Multiple Properties**—determines the availability for multiple properties identified by a Hotel Reference along with additional specified criteria.

- **Availability/Multiple Properties based on Search Criteria**—determines the availability for multiple properties identified by a Hotel Reference along with additional specified criteria.
- **Alternate Availability**—retrieves a list of properties (with availability) that are alternates to a property that may not be available. [While the specifications enable the capability to return alternate choices, the qualifications of the actual returns are dependent upon the application processing the request.]
- **Rate Quotation/Single Property**—obtains rate quotes for a room or non-room product or products at a specific property. Returns a list of the rates available at the hotel for the desired dates.
- **Rate Quotation/Multiple Property**—obtains rate quotes for a room or non-room product or products at multiple properties. Returns a list of rates for the products specified that are available at the hotels for the desired dates.

8.1.1. Use Case 1*

8.1.1.1. Request: Hotel Availability

Will Reisen wants to travel to Denver for 2 weeks in January to visit his many friends. He decides to look online for available rates at the Denver Marriott City Center since he wants to stay in the downtown area. Will makes his request providing the hotel he wants and his arrival and departure dates of January 16th and 30th.

OTA_HotelAvailRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailRQ 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_HotelAvailRQ.xsd" Version="1.003">
  <AvailRequestSegments>
    <AvailRequestSegment>
      <StayDateRange End="2006-01-30" Start="2006-01-16"/>
      <RoomStayCandidates>
        <RoomStayCandidate Quantity="1">
          <GuestCounts>
            <GuestCount AgeQualifyingCode="10" Count="1"/>
          </GuestCounts>
        </RoomStayCandidate>
      </RoomStayCandidates>
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef ChainCode="MC" HotelCode="DENDT"/>
        </Criterion>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

8.1.1.2. Response: Hotel Availability

A list of available rates at the Denver Marriott City Center is returned for Will to choose from:

Corporate rate at \$189

Corporate concierge rate at \$199

Regular rate at \$270

Regular concierge rate at \$285

AAA Member rate at \$189

OTA_HotelAvailRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailRS 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_HotelAvailRS.xsd" Version="1.003">
  <Success/>
  <RoomStays>
    <RoomStay>
      <RatePlans>
        <RatePlan RatePlanCode="CORA999"/>
      </RatePlans>
      <RoomRates>
        <RoomRate>
          <Rates>
            <Rate EffectiveDate="2006-01-02" ExpireDate="2006-04-14">
              <Base AmountBeforeTax="189.00" CurrencyCode="USD"/>
              <RateDescription>
                <Text>CORPORATE RATE*DELUXE ROOM (1 KING OR 2
DOUBLES)</Text>
              </RateDescription>
            </Rate>
          </Rates>
        </RoomRate>
      </RoomRates>
    </RoomStay>
    <RoomStay>
      <RatePlans>
        <RatePlan RatePlanCode="CORB999"/>
      </RatePlans>
      <RoomRates>
        <RoomRate>
          <Rates>
            <Rate EffectiveDate="2006-01-02" ExpireDate="2006-04-14">
              <Base AmountBeforeTax="199.00" CurrencyCode="USD"/>
              <RateDescription>
                <Text>CONC DELUXE RM*PRIVATE FLOOR W/ADDL
AMENITIES*LOUNGE INCLDS HOT CONTINENTAL BKFST,EVENING HORS D'OEUVRES,HONOR BAR
&amp; DESSERT</Text>
              </RateDescription>
            </Rate>
          </Rates>
        </RoomRate>
      </RoomRates>
    </RoomStay>
    <RoomStay>
      <RatePlans>
        <RatePlan RatePlanCode="REGA999"/>
      </RatePlans>
      <RoomRates>
        <RoomRate>
          <Rates>
            <Rate EffectiveDate="2006-01-02" ExpireDate="2006-04-14">
```

```

                <Base AmountBeforeTax="270.00" CurrencyCode="USD"/>
                <RateDescription>
                    <Text>REGULAR RATE*DELUXE ROOM (1KING OR
2DOUBLES)</Text>
                </RateDescription>
            </Rate>
        </Rates>
    </RoomRate>
</RoomRates>
</RoomStay>
<RoomStay>
    <RatePlans>
        <RatePlan RatePlanCode="REGB999"/>
    </RatePlans>
    <RoomRates>
        <RoomRate>
            <Rates>
                <Rate EffectiveDate="2006-01-02" ExpireDate="2006-04-14">
                    <Base AmountBeforeTax="285.00" CurrencyCode="USD"/>
                    <RateDescription>
                        <Text>CONC DELUXE RM*PRIVATE FLOOR W/ADDL
AMENITIES*LOUNGE INCLDS HOT CONTINENTAL BREAKFAST,EVENING HORS D'OEUVRES &amp;
HONOR BAR</Text>
                    </RateDescription>
                </Rate>
            </Rates>
        </RoomRate>
    </RoomRates>
</RoomStay>
<RoomStay>
    <RatePlans>
        <RatePlan RatePlanCode="AAAAAAA"/>
    </RatePlans>
    <RoomRates>
        <RoomRate>
            <Rates>
                <Rate EffectiveDate="2006-01-02" ExpireDate="2006-04-14">
                    <Base AmountBeforeTax="189.00" CurrencyCode="USD"/>
                    <RateDescription>
                        <Text>AAAA WEEKDAY*DELUXE ROOM (1KING OR 2DOUBLES) *
ID REQUIED AT CHECK IN *</Text>
                    </RateDescription>
                </Rate>
            </Rates>
        </RoomRate>
    </RoomRates>
</RoomStay>
</RoomStays>
</OTA_HotelAvailRS>

```

8.2. OTA_HotelAvailNotifRQ/RS

The Availability Notification message notifies a booking source of the status of availability at a specific hotel property. Booking a reservation at a hotel is often affected by systems using yield management tables to determine the availability of a specific rate at a given time. Therefore, the Availability Notification message is often sent in conjunction with two other messages: a Rate Amount Notification message, which communicates the rates that apply to the availability, and a Booking Rule Notification message, which communicates the restrictions that apply to the availability and rates.

These messages include a complex set of controls that indicate whether the hotel has available inventory; that is, closed or open for booking. The `RateHurdleStatusMessage` element establishes an open/closed situation based upon the number of units available. If a hotel is open, status messages communicate the rate at which those bookings can be made. In addition, booking restrictions that apply to each individual rate, such as a minimum length of stay (LOS) must also be communicated to the booking agent so that hotel guests are informed of all the regulations that govern their reservation.

Inventory is generally considered a physical count, and availability a commitment to sell a room at a specific rate or plan. The physical inventory is the basis by which counts are assigned to the availability. But availability may also depend upon rate plans, as a system may carry a discrete inventory or an inventory count in association with different rates. Thus, the superset of the inventory may be greater than the physical count, with the actual number of rooms counted down when they are sold.

The status messages in the Availability Notification message also communicate inventory (booking) limits set by Yield and Revenue management systems such as the number of reservations that can be taken for a certain day, and the threshold at which the hotel is closed. A Booking Limit Status Message may even define what can be done after a status is set, such as “Take four more reservations after this status is set.”

A system may choose not to synchronize with actual inventory numbers, but with a threshold. Nevertheless, it is critical that booking systems are synchronized with common thresholds, regardless of whether they are derived from virtual or real inventory.

The Availability Notification message uses the `StatusApplicationControl` to set the status for an inventory block, a rate plan or an inventory code. The attributes: `InventoryCodeType`, `RatePlanCodeType`, and `InventoryBlockCodeType` determine whether the message involves a single code, or a grouping of codes.

The `Override` attribute allows a reservation system to make a change on controls applied at the level of the Property Management System. For example, a CRS may be allowed to make manual changes while processing bookings during the day, but when full optimization is done, typically during the night, this Boolean attribute determines whether to retain the changes made. This could be applied to override all status messages and is found in the Status Application Control class.

8.2.1. Use Case 1

8.2.1.1. Request: Overbooking Limits (External)

The Sheraton sends their wholesaler an allocation of rooms for specific days in the future for their rate plan code of WHLS1.

The table below details the allocations sent in this example.

From Date	To Date	Inventory Code	Amount
08/02/2004	08/05/2004	Standard Rooms STD	25
08/06/2004	08/08/2004	Standard Rooms STD	35
08/02/2004	08/05/2004	Deluxe Rooms DLX	5
08/06/2004	08/08/2004	Deluxe Rooms DLX	8

OTA_HotelAvailNotifRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd"
TimeStamp="2004-05-01T06:39:09" Target="Production" Version="1.002">
  <AvailStatusMessages ChainCode="SW" BrandCode="SI" HotelCode="00000" HotelName="The
Sheraton">
    <AvailStatusMessage BookingLimit="25" BookingLimitMessageType="SetLimit">
      <StatusApplicationControl Start="2004-08-02" End="2004-08-05"
RatePlanCode="WHLS1" InvCode="STD">
        </StatusApplicationControl>
        <UniqueID Type="16" ID="1">
          </UniqueID>
        </AvailStatusMessage>
        <AvailStatusMessage BookingLimit="35" BookingLimitMessageType="SetLimit">
          <StatusApplicationControl Start="2004-08-06" End="2004-08-08"
RatePlanCode="WHLS1" InvCode="STD">
            </StatusApplicationControl>
            <UniqueID Type="16" ID="2">
              </UniqueID>
            </AvailStatusMessage>
            <AvailStatusMessage BookingLimit="5" BookingLimitMessageType="SetLimit">
              <StatusApplicationControl Start="2004-08-02" End="2004-08-05"
RatePlanCode="WHLS1" InvCode="DLX">
                </StatusApplicationControl>
                <UniqueID Type="16" ID="3">
                  </UniqueID>
                </AvailStatusMessage>
                <AvailStatusMessage BookingLimit="8" BookingLimitMessageType="SetLimit">
                  <StatusApplicationControl Start="2004-08-06" End="2004-08-08"
RatePlanCode="WHLS1" InvCode="DLX">
                    </StatusApplicationControl>
                    <UniqueID Type="16" ID="4">
                      </UniqueID>
                    </AvailStatusMessage>
                  </AvailStatusMessages>
                </OTA_HotelAvailNotifRQ>

```

8.2.1.2. Response: Acknowledge Overbooking Limit (External)

The CRS returns an acknowledgement that the message was received without any errors or warnings.

OTA_HotelAvailNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_HotelAvailNotifRS.xsd" EchoToken="String" TimeStamp="2004-04-14T09:42:26"
Target="Production" Version="1.001">
  <Success/>
</OTA_HotelAvailNotifRS>
```

8.2.2. Use Case 2

8.2.2.1. Request: Full Pattern Length of Stay Restrictions

The Omni Shoreham Hotel in Washington, DC sends Expedia Full Pattern Length of Stay (FPLOS) restrictions for June 1st, 2004 for its three Expedia Rate Plans as shown in the table below., where “N” means that a stay of that length is NOT allowed, and “Y” that the stay is allowed. The restrictions apply to room type STD, the only one included in the interface.

Date:	Length of stay in days							
	1	2	3	4	5	6	7	8
June 1 st								
Expedia1	N	Y	Y	Y	N	N	N	N
Expedia2	N	N	N	N	N	N	N	N
Expedia3	N	N	Y	Y	N	N	Y	N

These FPLOS settings can be explained as:

- Expedia 1 – Only accept reservations for 2, 3 or 4 nights. An alternate control method would be to set MinLOS to 2 days and MaxLOS to 4 days on this rate plan.
- Expedia 2 – Do not accept any arrivals, as no LOS is available. An alternate control method would be to set Closed To Arrival on this rate plan.
- Expedia 3 – Only accept reservations for 3, 4, and 7 nights. There is no alternate control method that would give the same result.

OTA_HotelAvailNotifRQ2.xml – Preferred Method: LOS_Pattern

In this approach, sub-element LOS_Pattern is used to send a string of “Y” and “N” characters to indicate open and closed for each length of stay, from 1 night to

the value in the FixedPatternLength attribute in LengthOfStays element. Any lengths of stay greater than the FixedPatternLength inherit the status of the status of the length of stay that equals FixedPatternLength.

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd"
EchoToken="54638383" TimeStamp="2004-04-14T09:30:47-05:00" Target="Production"
Version="1.002" PrimaryLangID="en-us">
  <AvailStatusMessages ChainCode="OMNI" HotelCode="HOTEL">
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia1"
InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay MinMaxMessageType="FullPatternLOS">
          <LOS_Pattern FullPatternLOS="NYYNNNNN"/>
        </LengthOfStay>
      </LengthsOfStay>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia2"
InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay MinMaxMessageType="FullPatternLOS">
          <LOS_Pattern FullPatternLOS="NNNNNNNN"/>
        </LengthOfStay>
      </LengthsOfStay>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia3"
InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay MinMaxMessageType="FullPatternLOS">
          <LOS_Pattern FullPatternLOS="NNYYNNYN"/>
        </LengthOfStay>
      </LengthsOfStay>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

OTA_HotelAvailNotifRQ3.xml – Alternate Method: Explicit Length of Stay elements

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd"
EchoToken="54638383" TimeStamp="2004-04-14T09:30:47-05:00" Target="Production"
Version="1.001" PrimaryLangID="en-us">
  <AvailStatusMessages ChainCode="OMNI" HotelCode="HOTEL">
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia1"
InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="1" TimeUnit="Day" OpenStatusIndicator="false"
MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="2" TimeUnit="Day" OpenStatusIndicator="true"
MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="3" TimeUnit="Day" OpenStatusIndicator="true"
MinMaxMessageType="FullPatternLOS"/>
      </LengthsOfStay>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

```

        <LengthOfStay Time="4" TimeUnit="Day" OpenStatusIndicator="true"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="5" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="6" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="7" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="8" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
    </LengthsOfStay>
</AvailStatusMessage>
<AvailStatusMessage>
    <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
    RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia2"
    InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
    <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="1" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="2" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="3" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="4" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="5" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="6" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="7" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="8" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
    </LengthsOfStay>
</AvailStatusMessage>
<AvailStatusMessage>
    <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
    RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia3"
    InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
    <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="1" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="2" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="3" TimeUnit="Day" OpenStatusIndicator="true"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="4" TimeUnit="Day" OpenStatusIndicator="true"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="5" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="6" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="7" TimeUnit="Day" OpenStatusIndicator="true"
        MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="8" TimeUnit="Day" OpenStatusIndicator="false"
        MinMaxMessageType="FullPatternLOS"/>
    </LengthsOfStay>
</AvailStatusMessage>
</AvailStatusMessages>
</OTA_HotelAvailNotifRQ>

```

OTA_HotelAvailNotifRQ4.xml – Alternate Method: Implicit Length of Stay elements

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://www.opentravel.org/OTA/2003/05"
  xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd"
  EchoToken="54638383" TimeStamp="2004-04-14T09:30:47-05:00" Target="Production"
  Version="1.002" PrimaryLangID="en-us">
  <AvailStatusMessages ChainCode="OMNI" HotelCode="HOTEL">
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
        RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia1"
        InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="2" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="3" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="4" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
      </LengthsOfStay>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
        RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia2"
        InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2004-06-01" End="2004-06-01"
        RatePlanCodeType="RatePlanCode" RatePlanCode="Expedia3"
        InvCodeApplication="InvCode" InvCode="STD" IsRoom="1" Override="1"/>
      <LengthsOfStay ArrivalDateBased="1" FixedPatternLength="8">
        <LengthOfStay Time="3" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="4" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
        <LengthOfStay Time="7" TimeUnit="Day" MinMaxMessageType="FullPatternLOS"/>
      </LengthsOfStay>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.2.2.2. Response: Acknowledge FPLOS

Expedia sends to Omni an acknowledgement for the message received with no errors or warnings.

OTA_HotelAvailNotifRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns="http://www.opentravel.org/OTA/2003/05"
  xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
  OTA_HotelAvailNotifRS.xsd" EchoToken="String" TimeStamp="2004-04-14T09:42:26"
  Target="Production" Version="1.001">
  <Success/>
</OTA_HotelAvailNotifRS>
```

8.2.3. Use Case 3

8.2.3.1. Request: Send Hurdle Rates

IDEaS sends Hurdle Rate decisions to Synxis on May 1st 2004 for Jumeirah Beach Hotel on the next 7 days. The actual values for each date are shown in the

table below. All messages are sent for Rate Plan Code RACK and Inventory Code ROH. Each Hurdle Rate applies to a single date, although it is identified using the Start Date attribute of the element.

Date	Hurdle Rate (USD)
05/01/2004	553.45
05/02/2004	250.52
05/03/2004	250.65
05/04/2004	245.92
05/05/2004	247.78
05/06/2004	451.15
05/07/2004	437.85

OTA_HotelAvailNotifRQ5.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_HotelAvailNotifRQ.xsd" TimeStamp="2004-05-01T06:39:09" Target="Production"
Version="1.002">
  <AvailStatusMessages ChainCode="JUM" HotelCode="JUMBCH">
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-01"/>
      <HurdleRate Amount="553.45" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="1"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-02"/>
      <HurdleRate Amount="250.52" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="2"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-03"/>
      <HurdleRate Amount="250.65" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="3"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-04"/>
      <HurdleRate Amount="245.92" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="4"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-05"/>
      <HurdleRate Amount="247.78" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="5"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-06"/>
      <HurdleRate Amount="451.15" CurrencyCode="USD"/>
      <UniquelD Type="16.UIT" ID="6"/>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

```

        <StatusApplicationControl RatePlanCode="RACK" InvCode="ROH" Start="2004-05-07"/>
        <HurdleRate Amount="437.85" CurrencyCode="USD"/>
        <UniqueID Type="16.UIT" ID="7"/>
    </AvailStatusMessage>
</AvailStatusMessages>
</OTA_HotelAvailNotifRQ>

```

8.2.3.2. Response: Acknowledge Hurdle Rates

Synxis sends to IDaaS an acknowledgement for the message received with no errors or warnings.

OTA_HotelAvailNotifRS3.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_HotelAvailNotifRS.xsd" EchoToken="String" TimeStamp="2004-05-01T06:42:26"
Target="Production" Version="1.001">
    <Success/>
</OTA_HotelAvailNotifRS>

```

8.2.4. Use Case 4

8.2.4.1. Request: Overbooking Limits

The RMS system has finished optimizing the Westin's overbooking limits. For any day where the overbooking limit has changed since the last time the optimization job has run, the system will generate messages to be sent to the CRS.

These messages will include overbooking amounts at both the property and room type levels.

The table below details the overbookings sent in this example.

From Date	To Date	Level	Amount
04/06/2004	04/08/2004	Property	40
04/07/2004	04/09/2004	Property	30
04/09/2004	04/10/2004	Property	0
04/06/2004	04/08/2004	RoomType KNS	10
05/01/2004	05/04/2004	RoomType DDS	20
04/10/2004	04/18/2004	RoomType CLBK	15

OTA_HotelAvailNotifRQ6.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelAvailNotifRQ.xsd"
TimeStamp="2004-05-01T06:39:09" Target="Production" Version="1.002">
  <AvailStatusMessages ChainCode="SW" BrandCode="WI" HotelCode="00000" HotelName="The
Westin">
    <AvailStatusMessage BookingLimit="40" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-04-06" End="2004-04-07">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="1">
      </UniquelD>
    </AvailStatusMessage>
    <AvailStatusMessage BookingLimit="30" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-04-07" End="2004-04-09">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="2">
      </UniquelD>
    </AvailStatusMessage>
    <AvailStatusMessage BookingLimit="0" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-04-09" End="2004-04-10">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="3">
      </UniquelD>
    </AvailStatusMessage>
    <AvailStatusMessage BookingLimit="10" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-04-06" End="2004-04-08" InvCode="KNS">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="4">
      </UniquelD>
    </AvailStatusMessage>
    <AvailStatusMessage BookingLimit="20" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-05-01" End="2004-05-04" InvCode="DDS">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="5">
      </UniquelD>
    </AvailStatusMessage>
    <AvailStatusMessage BookingLimit="15" BookingLimitMessageType="AdjustLimit">
      <StatusApplicationControl Start="2004-04-10" End="2004-04-18" InvCode="CLBS">
      </StatusApplicationControl>
      <UniquelD Type="16" ID="6">
      </UniquelD>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

8.2.4.2. Response: Acknowledge Overbooking Limit

The CRS returns an acknowledgement that the message was received without any errors or warnings.

OTA_HotelAvailNotifRS4.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelAvailNotifRS xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns="http://www.opentravel.org/OTA/2003/05"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_HotelAvailNotifRS.xsd" EchoToken="String" TimeStamp="2004-04-14T09:42:26"
Target="Production" Version="1.001">
  <Success/>
</OTA_HotelAvailNotifRS>
```

8.3. OTA_HotelBookingRuleNotifRQ/RS

The Hotel Booking Rule Notification message communicates the rules and restrictions associated with the general availability or rates at a hotel to a booking source. The application of a booking rule may narrow the availability of inventory at a specific hotel property. For example, a hotel may be accepting reservations for a two-night or three-night stay, but will not accept a reservation for a one-night stay. This situation may be driven by the use of a yield management system that affects the availability of a specific rate at a given time. The Booking Rule Notification message is often sent in conjunction with two other messages: the Availability Notification that communicates the status of availability at a specific hotel property, and the Rate Amount Notification message that communicates the rates that the booking restrictions must be applied to.

The Booking Rule Notification message uses the StatusApplicationControl to indicate the inventory block, rate plan or inventory code to which the booking rules apply. Each BookingRule is potentially a set of different types of booking restrictions. The attributes InventoryCodeType, RatePlanCodeType, and InventoryBlockCodeType determine whether the message involves a single code, or a grouping of codes. In addition, the booking restrictions that apply to each individual rate may include such factors as a minimum length of stay (LOS), or specific days of the week that they are applicable (DOW_Pattern).

This message may be used to define multiple rules and restrictions applied to a rate plan. For example, it can set absolute dates during which a restriction is to be applied. Alternatively, a Booking Rule can define the minimum offset of time as well as the maximum offset of time required prior to a guest's arrival defining when a restriction is to be applied, or during which a booking can be made. The minimum and maximum advance requirements are not mutually exclusive, and can be used in combination. The Absolute Deadline and/or the Advance Booking attributes may be used to set applicable restrictions to booking dates.

The Booking Rule Notification message can be used to communicate the types of guarantees that are accepted for a booking, to indicate whether a reservation can be modified or cancelled, and if a refund of a deposit is allowed in the case of a cancellation. The GuaranteeType is an enumerated type that indicates whether a guarantee is required, or if it is required, the form of the guarantee, such as a credit card, debit card or voucher. In some cases, an actual deposit is required. In other cases, supplying a Profile, that provides the identification of a frequent guest by membership or loyalty program number, may be sufficient for a guarantee.

The CancelPenalties element defines a collection of restrictions and policies for payments made to a hotel in case of cancellation. It is also used to specify the cancellation fee or penalties imposed by the booking restrictions that would be applied when a reservation is NOT canceled, as in the case of a no-show. Cancellation penalties may be applied within a specified time frame either prior to arrival, or after the booking has been made. Likewise, the Required Payments

element is used to specify a payment obligation, such as a deposit due, along with the deadline for the payment. The `RetributionType` indicates the action taken when the deadline has been exceeded, such as cancellation of a reservation when a required payment is not made.

8.3.1. Use Case 1 (TBD)

TBD

8.3.1.1. Request: Hotel Booking Rule Notification

TBD

OTA_HotelBookingRuleNotifRQ.xml

TBD

8.3.1.2. Response: Hotel Booking Rule Notification

TBD

OTA_HotelBookingRuleNotifRS.xml

TBD

8.4. OTA_HotelCommNotifRQ/RS

The Commission Notification message supports the functionality of updating other systems with commissions to be paid. The message pair assumes a push model, with the reporting system (typically a Property Management System – PMS) pushing the data to the Management Company or Central Reservation Office that is responsible for paying the commissions, or one of these entities pushing the data to a consolidator contracted to pay commissions.

In the push model, the requesting system will send a report using the `OTA_HotelCommNotifRQ` message. The responding system will acknowledge its receipt of that report using the `OTA_HotelCommNotifRS` message. All message responses include the request identification. Responses may be returned in any order.

8.4.1. Use Case 1 (TBD)

TBD

8.4.1.1. Request: Hotel Commissions Notification

TBD

OTA_HotelCommNotifRQ.xml

TBD

8.4.1.2. Response: Hotel Commissions Notification

TBD

OTA_HotelCommNotifRS.xml

TBD

8.5. OTA_HotelDescriptiveContentNotifRQ/RS

The Hotel Descriptive Content Notification is a broadcast message used to publicize detailed descriptive information about a hotel property by standardized data categories. Likewise, static information about a hotel property can be obtained by using the Hotel Search Request and/or Hotel Availability Request to search by category, using codes agreed upon between trading partners to request more detail about a hotel.

The Hotel Descriptive Content interface enables hotel data to be accessed in both a push and pull format in order to avoid storing the data at multiple locations. In most cases, the hotel property is the owner of the data and is in charge of updating it, and sends out a broadcast message as a full overlay replacing previous information or a partial update message modification to make changes to portions of the data, using the <OTA_HotelDescriptiveContentNotifRQ>.

When a new hotel opens for business, the complete descriptive information used to advertise and sell the hotel's property and services is broadcast in a standardized format to a negotiated distribution list. In this initial broadcast of property information, the sending system will be pushing out an enormous quantity of information. The PMS and remote systems must be able to buffer messages during any downtime. It is presumed that the system would continue to republish subsequent updates as necessary if a subscriber is unable to be contacted.

In the hotel environment, when a guest wishes to book a hotel, two basic search criteria often include the location of the hotel, and the price of the rooms. Beyond this, many factors can influence the guest's ultimate choice when booking a reservation. To assist the guest in making his/her choice, a booking agent looks further for descriptive information about a hotel, such as describing recreational or business services, or the hotel facilities or amenities. In many cases, the description of hotel static information may be more valuable than a percentage or weighting number given by the responding system in response to the hotel search. The Hotel Descriptive Content Specification defines the categories and fields that will allow the agent to search by code to answer the myriad of specific needs of the guest.

The descriptive content data is structured by categories of text data, and enables a query using a category code -either published by the OpenTravel Alliance or as agreed upon between trading partners. The transaction for pulling hotel data in granular sections using the Hotel Search Request <OTA_HotelSearchRQ> is the Search Criterion *Type*="CodeRef". When performing an availability query using the message, <OTA_HotelAvailRQ>, the element <SearchCodes> can include multiple <CodeRef> elements to obtain detailed information. The data returned is determined by the category code sent in the request. A detailed query response may return a collection of descriptive content for each category.

8.5.1. Use Case 1*

8.5.1.1. Request: Hotel Descriptive Content Notification

Marriott International has a marketing relationship with HotelsULuv, which keeps a database of hotel property information for its online booking service. Marriott has already sent a download of property data for all of its hotels to HotelsULuv; so that HotelsULuv has the complete set in its database. However, a few changes have just been made to the property data for the Boston Marriott Copley Place Hotel, and Marriott must resend all of the information for this hotel to HotelsULuv.

OTA_HotelDescriptiveContentNotifRQ.xml

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<OTA_HotelDescriptiveContentNotifRQ 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_HotelDescriptiveContentNotifRQ.xsd"
  Version="2.001">
  <HotelDescriptiveContents>
    <HotelDescriptiveContent BrandCode="MHRS" BrandName="Marriott Hotels & Resorts"
      CurrencyCode="USD" HotelCode="BOSCO" HotelName="Boston Marriott Copley Place"
      LanguageCode="EN">
      <HotelInfo HotelStatus="Open" LastUpdated="2005-01-14T09:57:59" Start="1984-05-19"
        WhenBuilt="1984">
        <CategoryCodes>
          <LocationCategory Code="3" CodeDetail="Location Type: City"/>
          <!--Code 3 = City from OTA Code Table LOC-->
        </CategoryCodes>
        <Descriptions>
          <Renovation ImmediatePlans="false" PercentOfRenovationCompleted="100"/>
          <Renovation>
            <Description Name="Renovation Area Completion Date 1">
              <Text>2000-02-13</Text>
            </Description>
          </Renovation>
          <Renovation>
            <Description Name="Renovation Area Description 2">
              <Text>Guest Rooms</Text>
            </Description>
          </Renovation>
          <Renovation>
            <Description Name="Renovation Area Completion Date 2">
              <Text>2002-10-01</Text>
            </Description>
          </Renovation>
          <Description Name="Description">

```

<Text>The Boston Marriott Copley Place Hotel is the perfect destination for business or pleasure. We're located in Boston's Back Bay, off the Mass. Trnpg. at Exit 22, 4 mi from Logan Airport, & in close proximity to subway.</Text>

</Description>
 <Description Name="Property Description Long">
 <Text>The Boston Marriott Copley Place hotel is ideally located in Boston's Back Bay. This Copley Square hotel is easily accessible for business convenience. Centrally located in Copley Place for leisure activities. And technology-driven for dynamic meetings. For your trip to Boston, Massachusetts, the Copley Marriott is the perfect choice.</Text>

</Description>
 <Description Name="Top Selling Feature 1">
 <Text>In Boston's historic Back Bay, just off the Massachusetts Turnpike; four miles from Logan Airport</Text>

</Description>
 <Description Name="Top Selling Feature 2">
 <Text>1,147 rooms and suites, the largest hotel ballroom in the area, and 65,000 square feet of event room</Text>

</Description>
 <Description Name="Property Service Level">
 <Text>Full Service</Text>

</Description>
 <Description Name="Guest Room Highlights">
 <Listltem Listltem="1">
 speed Internet access
 </Listltem>
 <Listltem Listltem="2">
 " color TV with cable movies, in-room pay movies, Web TV and

Gameboy

</Listltem>
 <Listltem Listltem="3">
 safes and refrigerators
 </Listltem>

</Description>
 <Description Name="Business/Group Highlights">
 <Listltem Listltem="1">
 Sales & Service Team consistently awarded the highest Guest Satisfaction

Scores

</Listltem>
 <Listltem Listltem="2">
 of the Gold Key Award and the Corporate & Incentive Travel Award of

Excellence

</Listltem>
 <Listltem Listltem="3">
 house Exhibit Hall 22,500 square feet
 </Listltem>

</Description>
 <Description Name="Property Social Event Meeting Highlight">
 <Listltem Listltem="1">
 Setting
 </Listltem>
 <Listltem Listltem="2">
 Staff
 </Listltem>
 <Listltem Listltem="3">
 Winning Event Services Staff
 </Listltem>

</Description>

</Descriptions>
 <Position Latitude="42.347996" Longitude="-71.07869"/>
 <Services>
 <Service Code="103">
 <!--Code 103 = Multilingual staff from OTA Code Table HAC-->
 <Description Name="Language Spoken By Staff">
 <Text>Spanish, French, Vietnamese, English, Russian</Text>
 </Description>
 </Service>


```

<Service Code="164">
  <!--Code 164 = Food and beverage outlets from OTA Code Table HAC-->
  <Description Name="Number of Food and Beverage Outlets">
    <Text>2</Text>
  </Description>
</Service>
<Service Code="165">
  <!--Code 165 = Lounges/bars from OTA Code Table HAC-->
  <Description Name="Number of Lounges/Bars">
    <Text>1</Text>
  </Description>
</Service>
<Service Code="63" CodeDetail="Fee">
  <!--Code 63 = Off-site parking from OTA Code Table HAC-->
  <RelativePosition Distance=".1" Name="Copley Place Garage"/>
</Service>
<Service Code="64" CodeDetail="Fee">
  <!--Code 64 = On-site parking from OTA Code Table HAC-->
  <OperationSchedules>
    <OperationSchedule>
      <Charge Amount="29" ChargeUnit="1"/>
      <!--Charge Unit 1 = Daily from OTA Code Table CHG-->
    </OperationSchedule>
  </OperationSchedules>
</Service>
<Service Code="97" CodeDetail="Fee">
  <!--Code 97 = Valet parking from OTA Code Table HAC-->
  <OperationSchedules>
    <OperationSchedule>
      <Charge Amount="37" ChargeUnit="1"/>
      <!--Charge Unit 1 = Daily from OTA Code Table CHG-->
    </OperationSchedule>
  </OperationSchedules>
</Service>
<Service Code="80">
  <!--Code 80 = Security from OTA Code Table HAC-->
  <Features>
    <Feature SecurityCode="2">
      <!--Security Code 2 = Address of nearest police station from OTA Code
Table SEC-->
      <Description Name="Address of Nearest Police Station">
        <Text>Area D, District 4, 7 Warren Ave.</Text>
      </Description>
    </Feature>
    <Feature CodeDetail="Yes" SecurityCode="7"/>
    <!--Security Code 7 = Building meets all current local, state and country
building codes from OTA Code Table SEC-->
    <Feature SecurityCode="8"/>
    <!--Security Code 8 = Complies with Hotel/Motel Safety Act from OTA Code
Table SEC-->
    <Feature SecurityCode="75"/>
    <!--Security Code 75 = Basic medical equipment on site from OTA Code
Table SEC-->
    <Feature SecurityCode="9"/>
    <!--Security Code 9 = Complies with Local/State/Federal fire laws from OTA
Code Table SEC-->
    <Feature SecurityCode="11">
      <!--Security Code 11 = Distance to nearest police station from OTA
Code Table SEC-->
      <Description Name="Dist to Nearest Police Station">
        <Text>2</Text>
      </Description>
    </Feature>
    <Feature SecurityCode="12"/>
    <!--Security Code 12 = Doctor on call from OTA Code Table SEC-->
    <Feature CodeDetail="Yes" SecurityCode="15"/>

```

```

Table SEC-->
    <!--Security Code 15 = Emergency back-up generators from OTA Code
    <Feature SecurityCode="35">
    <!--Security Code 35 = Phone number of nearest police station from
    OTA Code Table SEC-->
        <Description Name="Phone # of Nearest Police Station">
        <Text>343-4250</Text>
        </Description>
        </Feature>
    </Features>
</Service>
<Service Code="47">
    <!--Code 47 = Accessible facilities from OTA Code Table HAC-->
    <Features>
        <Feature AccessibleCode="3">
            <!--Accessible Code 3 = Bathroom vanity in guest rooms for disabled
            person height from OTA Code Table PHY-->
            <Description Name="Bathroom Vanity in Guest rooms for wheel
            chaired person height">
                <Text>32</Text>
            </Description>
            </Feature>
            <Feature AccessibleCode="18">
                <!--Accessible Code 18 = Lowered deadbolt in guest room for disabled
                persons height (in inches) from OTA Code Table PHY-->
                <Description Name="Lowered Deadbolt in guestroom height (in
                inches)">
                    <Text>39</Text>
                </Description>
                </Feature>
                <Feature AccessibleCode="25">
                    <!--Accessible Code 25 = Other services for persons with disabilities
                    from OTA Code Table PHY-->
                    <Description Name="Other Services Available for Disabled">
                    <Text>The hotel does provide shower chairs for handicapped
                    guests. The beds in the hotel are not elevated any higher than a normal mattress height.</Text>
                    </Description>
                    </Feature>
                    <Feature AccessibleCode="27">
                        <!--Accessible Code 27 = Peephole in guest room for disabled person
                        height (in inches) from OTA Code Table PHY-->
                        <Description Name="Peephole in guestroom height (in inches)">
                        <Text>41</Text>
                        </Description>
                        </Feature>
                        <Feature AccessibleCode="31">
                            <!--Accessible Code 31 = Thermostat in guest room for disabled
                            persons height (in inches) from OTA Code Table PHY-->
                            <Description Name="Thermostat in guestrms for wheel chaired person
                            hts (in inches)">
                                <Text>36</Text>
                            </Description>
                            </Feature>
                            <Feature AccessibleCode="37">
                                <!--Accessible Code 37 = Which floors have handicapped rooms from
                                OTA Code Table PHY-->
                                <Description Name="Floors with Handicapped Rooms">
                                <Text>yes</Text>
                                </Description>
                                </Feature>
                                <Feature AccessibleCode="41">
                                    <!--Accessible Code 41 = Light switches in guest rooms for disabled
                                    persons height (inches) from OTA Code Table PHY-->
                                    <Description Name="Light Switches in guestrms for WCP hts (in
                                    inches)">
                                        <Text>39</Text>

```

```

        </Description>
      </Feature>
    </Features>
  </Service>
</Services>
</HotelInfo>
<FacilityInfo LastUpdated="2004-12-04T16:00:12">
  <MeetingRooms LargestRoomSpace="23431" LargestSeatingCapacity="3640"
MeetingRoomCount="1" TotalRoomSpace="65000" UnitOfMeasure="Square Feet">
    <MeetingRoom Irregular="false" RoomName="Grand Ballroom">
      <Dimension Area="23431" Height="18.1" Length="108" Width="221"/>
      <AvailableCapacities>
        <MeetingRoomCapacity MeetingRoomFormatCode="1">
          <!--Meeting Room Format Code 1 = Banquet from OTA Code Table
MRF-->
          <Occupancy MaxOccupancy="1990"/>
        </MeetingRoomCapacity>
        <MeetingRoomCapacity MeetingRoomFormatCode="2">
          <!--Meeting Room Format Code 2 = Classroom from OTA Code Table
MRF-->
          <Occupancy MaxOccupancy="1866"/>
        </MeetingRoomCapacity>
        <MeetingRoomCapacity MeetingRoomFormatCode="5">
          <!--Meeting Room Format Code 5 = Theatre from OTA Code Table
MRF-->
          <Occupancy MaxOccupancy="3138"/>
        </MeetingRoomCapacity>
        <MeetingRoomCapacity MeetingRoomFormatCode="7">
          <!--Meeting Room Format Code 7 = Reception from OTA Code Table
MRF-->
          <Occupancy MaxOccupancy="3640"/>
        </MeetingRoomCapacity>
      </AvailableCapacities>
    </MeetingRoom>
  </Codes>
  <Code Code="92">
    <!--Code 92 = Other equipment and facilities from OTA Code Table MRC-->
    <Description Name="Other Equipment & Facilities Available in Meeting
Room">
      <Text>Red Coat Program, Event Services Hotline</Text>
    </Description>
  </Code>
</Codes>
</MeetingRooms>
<GuestRooms>
  <GuestRoom>
    <Amenities>
      <Amenity RoomAmenityCode="11">
        <!--Room Amenity Code 11 = Bathroom amenities from OTA Code
Table RMA-->
        <Description Name="Bathroom Amenities">
          <Text>Soap, shampoo, rinse, shower cap, lotions</Text>
        </Description>
      </Amenity>
    </Amenities>
  </GuestRoom>
  <GuestRoom CodeContext="MARSHA Room Type" MaxOccupancy="5"
NonsmokingQuantity="923" Quantity="1033" RoomTypeName="General Rooms">
    <Description Name="Sort Order">
      <Text>1</Text>
    </Description>
    <Description Name="Features of Room Type">
      <Text>GENR Standard 1 King Bed/or 2 Dbl beds, Coffee Maker, Hair Dryer,
Desk w/ chair</Text>
    </Description>
  </GuestRoom>

```

```

        <GuestRoom CodeContext="MARSHA Room Type" MaxOccupancy="5"
NonsmokingQuantity="58" Quantity="67" RoomTypeName="Concierge">
        <Description Name="Sort Order">
        <Text>2</Text>
        </Description>
        <Description Name="Features of Room Type">
        <Text>CONC Concierge Upgraded Amenities & Private Lounge, 1 King
bed or 2 Double beds</Text>
        </Description>
        </GuestRoom>
    </GuestRooms>
    <Restaurants>
        <Restaurant OfferBreakfast="true" OfferDinner="true" OfferLunch="true"
RestaurantName="Gourmeli&quot;s (Casual)">
        <RestaurantDescription Attire="Casual" Name="Sort Order">
        <Text>1</Text>
        </RestaurantDescription>
        <RestaurantDescription Name="Restaurant Short Description">
        <Text>Upscale family restaurant with daily theme buffets and both a la carte
and children&quot;s menus</Text>
        </RestaurantDescription>
        <RelativePosition Distance="0">
        <Transportations>
        <Transportation>
        <Descriptions>
        <Description Name="Restaurant Location">
        <Text>Onsite</Text>
        </Description>
        </Descriptions>
        </Transportation>
        </Transportations>
        </RelativePosition>
        <OperationSchedules>
        <OperationSchedule>
        <OperationTimes>
        <OperationTime End="14:00:00" Fri="true" Mon="true" Sat="true"
Start="06:30:00" Sun="true" Thu="true" Tue="true" Weds="true"/>
        <OperationTime End="22:00:00" Fri="true" Mon="true" Sat="true"
Start="17:00:00" Sun="true" Thu="true" Tue="true" Weds="true"/>
        </OperationTimes>
        </OperationSchedule>
        </OperationSchedules>
        <CuisineCodes>
        <CuisineCode Code="1" CodeDetail="American"/>
        <!--Code 1 = American from OTA Code Table CUI-->
        </CuisineCodes>
        </Restaurant>
        <Restaurant OfferBreakfast="false" OfferDinner="true" OfferLunch="false"
RestaurantName="The Terrace Bar">
        <RestaurantDescription Attire="Casual" Name="Sort Order">
        <Text>2</Text>
        </RestaurantDescription>
        <RestaurantDescription Name="Restaurant Short Description">
        <Text>A place to relax and enjoy drinks and light fare. Live entertainment on
Saturday Nights.</Text>
        </RestaurantDescription>
        <RelativePosition>
        <Transportations>
        <Transportation>
        <Descriptions>
        <Description Name="Restaurant Location">
        <Text>Onsite</Text>
        </Description>
        </Descriptions>
        </Transportation>
        </Transportations>

```

```

        </RelativePosition>
        <OperationSchedules>
            <OperationSchedule>
                <OperationTimes>
                    <OperationTime End="12:00:00" Start="14:00:00" Sun="true"/>
                    <OperationTime End="12:00:00" Mon="true" Start="15:00:00"
Thur="true" Tue="true" Weds="true"/>
                    <OperationTime End="01:00:00" Fri="true" Sat="true"
Start="14:00:00"/>
                </OperationTimes>
            </OperationSchedule>
        </OperationSchedules>
        <CuisineCodes>
            <CuisineCode Code="52" CodeDetail="Other"/>
            <!--Code 52 = Other from OTA Code Table CUI-->
        </CuisineCodes>
    </Restaurant>
</Restaurants>
</FacilityInfo>
<Policies>
    <Policy>
        <CancelPolicy>
            <CancelPenalty>
                <PenaltyDescription Name="Cancellation Policy">
                    <Text>6:00 PM</Text>
                </PenaltyDescription>
            </CancelPenalty>
        </CancelPolicy>
        <PaymentPolicy>
            <RequiredPayment PaymentCode="2"/>
            <!--Payment Code 2 = Direct bill from OTA Code Table PMT-->
        </PaymentPolicy>
        <PolicyInfoCodes>
            <PolicyInfoCode>
                <Description Name="Oversold - Phone Call Home/Business">
                    <Text>Y</Text>
                </Description>
            </PolicyInfoCode>
            <PolicyInfoCode Name="OversoldArrangeAccommodations"/>
            <PolicyInfoCode Name="OversoldPayOneNightRoom"/>
            <PolicyInfoCode Name="OversoldArrangeTransportation"/>
        </PolicyInfoCodes>
        <CheckoutCharges>
            <CheckoutCharge CodeDetail="Late Check-Out Available" Type="Late">
                <Description Name="Late Check-Out Fees">
                    <Text>00</Text>
                </Description>
            </CheckoutCharge>
        </CheckoutCharges>
        <PolicyInfo CheckInTime="16:00:00" CheckOutTime="12:00:00" KidsStayFree="true"
TotalGuestCount="5"/>
    </Policy>
    <TaxPolicies>
        <TaxPolicy Amount="5" Code="7"/>
        <!--Code 7 = Food & beverage tax from OTA Code Table FTT-->
        <TaxPolicy Code="10" NightsForTaxExemptionQuantity="90" Percent="5.7"/>
        <!--Code 10 = Occupancy tax from OTA Code Table FTT-->
        <TaxPolicy Code="17" Percent="12.45"/>
        <!--Code 17 = Total tax from OTA Code Table FTT-->
        <TaxPolicy Amount="2.75" Code="27"/>
        <!--Code 27 = Miscellaneous from OTA Code Table FTT-->
    </TaxPolicies>
</Policy>
</Policies>
<AreaInfo>
    <RefPoints>

```

```

Turnpike">
    <RefPoint Distance=".3" IndexPointCode="3" Name="Expway, Route 93, Mass.
    <!--Index Point Code 3 = Highway from OTA Code Table IPC-->
    <Transportations>
    <Transportation>
    <Descriptions>
    <Description Name="Directions to Highway from Property">
    <Text>Please call the hotel for directions</Text>
    </Description>
    </Descriptions>
    </Transportation>
    </Transportations>
    </RefPoint>
</RefPoints>
<Attractions LastUpdated="2004-11-10T15:50:30">
    <Attraction AttractionCategoryCode="1" AttractionName="Boston" Code="BOS"
CourtesyPhone="true">
    <!--Attraction Category Code 1 = Airport from OTA Code Table ACC-->
    <Contact>
    <Addresses>
    <Address>
    <CityName>BOSTON</CityName>
    <StateProv>MA</StateProv>
    <CountryName>US</CountryName>
    </Address>
    </Addresses>
    <Phones>
    <Phone PhoneLocationType="2" PhoneNumber="8002353426"
PhoneTechType="1" PhoneUseType="5"/>
    <!--Phone Location Type 2 = Central reservations office from OTA
Code Table PLT, Phone Tech Type 1 = Voice from OTA Code Table PTT, Phone Use Type 5 = Contact from
OTA Code Table PUT-->
    </Phones>
    </Contact>
    <Description Name="Sort Order">
    <Text>1</Text>
    </Description>
    <Description Name="Airport Name/Code">
    <Text>Boston (BOS)</Text>
    </Description>
    <Description Name="Driving Instructions from Airport">
    <Text>East on Mass Turnpike (Route 90). Take the Copley Square exit
which exits onto Stuart Street. At the first light turn left onto Dartmouth Street. At the next light turn left onto
Huntington Avenue and stay in the left lane. At the light under the skybridge make a u-turn to the left. The
hotel is in the right.</Text>
    </Description>
    <RefPoints>
    <RefPoint Direction="W" Distance="4">
    <Transportations>
    <Transportation Description="Drive Time to Airport"
TransportationCode="5" TypicalTravelTime="20"/>
    <!--Transportation Code 5 = Car from OTA Code Table TRP-->
    <Transportation Amount="10" CodeDetail="Fee"
Description="Shuttle Service from Airport" NotificationRequired="On Request" TransportationCode="17"/>
    <!--Transportation Code 17 = Shuttle from OTA Code Table TRP--
>
    <Transportation Amount="1" Description="Subway from Airport to
Hotel Fee (one-way)" TransportationCode="18"/>
    <!--Transportation Code 18 = Subway from OTA Code Table TRP-
->
    <Transportation Amount="30" Description="Estimated Taxi Fee
(one-way)" TransportationCode="20"/>
    <!--Transportation Code 20 = Taxi from OTA Code Table TRP-->
    <Transportation Amount="10" CodeDetail="On Request"
Description="Alternate Transportation Fee" TransportationCode="26">

```

```

Code Table TRP-->
    <!--Transportation Code 26 = Other or alternate from OTA
    <Descriptions>
        <Description Name="Alternate Transportation Name">
            <Text>Boston Hotels Shuttle</Text>
        </Description>
    </Descriptions>
    </Transportation>
    <Transportation Description="Drive Time to Airport in Rush Hour"
TransportationCode="27" TypicalTravelTime="30"/>
    <!--Transportation Code 27 = Car/rush hour from OTA Code Table
TRP-->
    <Transportation Amount="35" Description="Estimated Taxi Fee
(one-way) Rush Hour" TransportationCode="28"/>
    <!--Transportation Code 28 = Taxi/rush hour from OTA Code Table
TRP-->
    </Transportations>
    </RefPoint>
    </RefPoints>
    </Attraction>
    <Attraction AttractionCategoryCode="62" AttractionName="Quincy Market/Faneuil
Hall">
    <!--Attraction Category Code 62 = Other from OTA Code Table ACC-->
    <Contact>
        <Addresses>
            <Address>
                <CityName>Boston</CityName>
                <StateProv>MA</StateProv>
                <CountryName>USA</CountryName>
            </Address>
        </Addresses>
    </Contact>
    <RefPoints>
        <RefPoint Distance="1">
            <Transportations>
                <Transportation CodeDetail="N/A" TransportationCode="17"/>
                <!--Transportation Code 17 = Shuttle from OTA Code Table TRP--
>
            </Transportations>
        </RefPoint>
    </RefPoints>
    </Attraction>
    </Attractions>
    <Recreations>
        <Recreation>
            <Description Name="Recreational Summary">
                <Text>Full health club with indoor pool and workout facilities. Nearby are
many jogging areas and other health facilities with more complete information available through our
concierge. Golf and tennis nearby.</Text>
            </Description>
        </Recreation>
        <Recreation Code="36" CodeDetail="Onsite" Name="The Health Club">
            <!--Code 36 = Health club from OTA Code Table RST-->
            <OperationSchedules>
                <OperationSchedule>
                    <OperationTimes>
                        <OperationTime End="23:00:00" Fri="true" Mon="true"
Start="05:30:00" Thur="true" Tue="true" Weds="true"/>
                        <OperationTime End="23:00:00" Sat="true" Start="06:00:00"
Sun="true"/>
                    </OperationTimes>
                </OperationSchedule>
            </OperationSchedules>

```

```

<RefPoints>
  <RefPoint Distance="0"/>
</RefPoints>
<Description Name="Sort Order">
  <Text>1</Text>
</Description>
<Description Name="Year fitness center equipment was most recently
replaced">
  <Text>2000</Text>
</Description>
<Description Name="Fitness Center Type">
  <Text>EXTENSIVE</Text>
</Description>
<RecreationDetails>
  <RecreationDetail Code="35">
    <!--Code 35 = Classes available from OTA Code Table REC-->
    <Description Name="Fitness Classes">
      <Text>N/A</Text>
    </Description>
  </RecreationDetail>
  <RecreationDetail Code="41">
    <!--Code 41 = Services available from OTA Code Table REC-->
    <Description Name="Fitness Service">
      <Text>Massages</Text>
    </Description>
  </RecreationDetail>
</RecreationDetails>
</Recreation>
<Recreation Code="122" Name="Indoor Pool">
  <!--Code 122 = Indoor pool from OTA Code Table RST-->
  <OperationSchedules>
    <OperationSchedule>
      <OperationTimes>
        <OperationTime End="23:00:00" Fri="true" Mon="true"
Start="05:30:00" Thur="true" Tue="true" Weds="true"/>
        <OperationTime End="23:00:00" Sat="true" Start="06:00:00"
Sun="true"/>
      </OperationTimes>
    </OperationSchedule>
  </OperationSchedules>
  <Description Name="Sort Order">
    <Text>1</Text>
  </Description>
  <RecreationDetails>
    <RecreationDetail Code="30" CodeDetail="Yes"/>
    <!--Code 30 = Heated pool from OTA Code Table REC-->
    <RecreationDetail Code="32">
      <!--Code 32 = Pool depth from OTA Code Table REC-->
      <Description Name="Swimming Pool Depth">
        <Text>5'6" </Text>
      </Description>
    </RecreationDetail>
    <RecreationDetail Code="40">
      <!--Code 40 = Restricted age for children without adult supervision from
OTA Code Table REC-->
      <Description Name="Restricted age for Children w/o Adult
Supervision">
        <Text>16</Text>
      </Description>
    </RecreationDetail>
    <RecreationDetail Code="43">
      <!--Code 43 = Towels available from OTA Code Table REC-->
      <Description Name="Towels Provided for Guest at Indoor Swimming
Pool">
        <Text>Yes</Text>
      </Description>
    </RecreationDetail>
  </RecreationDetails>
</Recreation>

```



```

        </RecreationDetail>
      </RecreationDetail>
      <Description Name="Swimming Pool Location Indoor">
        <Text>5th Floor</Text>
      </Description>
    </RecreationDetail>
  </RecreationDetails>
</Recreation>
</Recreations>
</ArealInfo>
<AffiliationInfo LastUpdated="2004-12-18T15:50:43">
  <Awards>
    <Award Provider="AAA Rating (Diamonds)" Rating="3"/>
    <Award Provider="Mobil Rating (Stars)" Rating="3"/>
  </Awards>
</AffiliationInfo>
<ContactInfos>
  <ContactInfo ContactProfileType="Property Info">
    <Addresses>
      <Address UseType="7">
        <!--Use Type 7 = Physical from OTA Code Table AUT-->
        <AddressLine>110 Huntington Avenue</AddressLine>
        <CityName>Boston</CityName>
        <PostalCode>02116</PostalCode>
        <StateProv StateCode="MA"/>
        <CountryName>USA</CountryName>
      </Address>
    </Addresses>
    <Phones>
      <Phone PhoneLocationType="1" PhoneNumber="1-800-228-9290"
PhoneTechType="1" PhoneUseType="6"/>
      <!--Phone Location Type 1 = Brand reservations office from OTA Code Table
PLT, Phone Tech Type 1 = Voice from OTA Code Table PTT, Phone Use Type = 1 Emergency contact from
OTA Code Table PUT-->
      <Phone AreaCityCode="617" CountryAccessCode="1" PhoneLocationType="4"
PhoneNumber="236-5800" PhoneTechType="1" PhoneUseType="5"/>
      <!--Phone Location Type 4 = Property direct from OTA Code Table PLT, Phone
Tech Type 1 = Voice from OTA Code Table PTT, Phone Use Type 5 = Contact from OTA Code Table PUT-->
    </Phones>
  </ContactInfo>
  <ContactInfo ContactProfileType="Property Personnel">
    <Names>
      <Name>
        <GivenName>Richard</GivenName>
        <Surname>Grand</Surname>
        <JobTitle Type="Job Title">
          Manager
        </JobTitle>
      </Name>
    </Names>
  </ContactInfo>
</ContactInfos>
</HotelDescriptiveContent>
</HotelDescriptiveContents>
</OTA_HotelDescriptiveContentNotifRQ>

```

8.5.1.2. Response: Hotel Descriptive Content Notification

HotelsULuv responds to Marriott with an acknowledgement that the message was received.

OTA_HotelDescriptiveContentNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelDescriptiveContentNotifRS 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_HotelDescriptiveContentNotifRS.xsd"
Version="01" >
<Success/>
</OTA_HotelDescriptiveContentNotifRS>
```

8.6. OTA_HotelDescriptiveInfoRQ/RS

The Hotel Descriptive Content Notification message acts as a “push” message—sending information to populate a database. This message set allows an entity to request specific hotel descriptive content information. For example, a travel site wishing to update information like hours of operation would request only the specific information required and be returned only what they requested—like the pool hours or restaurant hours of operation. This message set could also be used for a Request for Information (RFI) for property specific information to help fulfill requests for data from external customers. RFI is an early step in the business negotiation process for either transient or group rates. Customers would then be able to narrow down a list of potential candidate hotels based on RFI responses.

Hotel information does not typically change on a regular schedule, thus the hotel descriptive information message allows the trading partner to request either all information stored in the hotel descriptive content message or a portion therein. The top line information available in a hotel descriptive information message is:

- Hotel Information
- Facility information
 - Meeting rooms
 - Guest rooms
 - Restaurants
- Policies
- Area Information
 - Reference points
 - Attractions
- Affiliation Information
 - Distribution systems
 - Brands
 - Loyalty programs

- Awards

- Contact Information
- Multimedia

8.6.1. Use Case 1

8.6.1.1. Request: Trading Partner Requests Descriptive Information

The trading partner sellmorerooms.com has partnered with Hilton to sell the Hilton New Orleans Riverside rooms on their website. Sellmorerooms.com needs to provide hotel content information to their consumers via their website. The Hilton Riverside prefers to have sellmorerooms.com obtain the content information from the Hilton content system, rather than a manual loading of data. Sellmorerooms.com sends in a request for The Hilton New Orleans Riverside property content information.

OTA_HotelDescriptiveInfoRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelDescriptiveInfoRQ EchoToken="1" Target="Production" Version="1.002"
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_HotelDescriptiveInfoRQ.xsd">
  <HotelDescriptiveInfos>
    <HotelDescriptiveInfo ChainCode="hh" BrandCode="hf" HotelCode="msynh" HotelCityCode="msy"
HotelName="New Orleans Riverside" HotelCodeContext="crs">
      <HotelInfo SendData="true"/>
      <FacilityInfo SendMeetingRooms="true" SendGuestRooms="false" SendRestaurants="true"/>
      <Policies SendPolicies="true"/>
      <AreaInfo SendRefPoints="true" SendAttractions="true"/>
      <AffiliationInfo SendDistribSystems="true" SendBrands="true" SendLoyalPrograms="true"
SendAwards="true"/>
      <ContactInfo SendData="true"/>
      <MultimediaObjects SendData="true"/>
    </HotelDescriptiveInfo>
  </HotelDescriptiveInfos>
</OTA_HotelDescriptiveInfoRQ>
```

8.6.1.2. Response: Hotel Property Descriptive Information

Hilton responds with all of the information available from their internal content database.

OTA_HotelDescriptiveInfoRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelDescriptiveInfoRS Target="Production" Version="2.000" SequenceNmbr="1" PrimaryLangID="en"
AltLangID="en" 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_HotelDescriptiveInfoRS.xsd">
  <POS>
    <Source PseudoCityCode="SF" ISOCountry="US" ISOCurrency="USD" AgentDutyCode="3"
AirportCode="MEM" FirstDepartPoint="MEM" ERSP_UserID="99">
      <RequestorID URL="sellmorerooms.com" Type="5F" Instance="1" ID="99">
```

```

        <CompanyName CompanyShortName="Sell More Rooms" TravelSector="0G" Code="5"
CodeContext="1"/>
        </RequestorID>
        <Position Latitude="125" Longitude="117" Altitude="84"/>
        <BookingChannel Type="5F" Primary="true">
            <CompanyName TravelSector="0G" Code="5" CodeContext="1"/>
        </BookingChannel>
        </Source>
    </POS>
    <Success/>
    <Warnings>
        <Warning Language="en-us" Type="5F" ShortText="2" Code="5" Status="5" RecordID="YHR5TGF"/>
    </Warnings>
    <HotelDescriptiveContents ChainCode="hh" BrandCode="hf" HotelCode="msynh" HotelCityCode="msy"
HotelName="New Orleans Riverside" HotelCodeContext="crs" ArealD="554" Overwrite="true">
        <HotelDescriptiveContent CurrencyCode="usd" DecimalPlaces="2" LanguageCode="en"
UnitOfMeasure="miles">
            <DestinationSystemsCode>
                <DestinationSystemCode>6</DestinationSystemCode>
            </DestinationSystemsCode>
            <HotelInfo WhenBuilt="1972-02-03" LastUpdated="2002-07-15T01:00:00" AreaWeather="warm"
InterfaceCompliance="1" PMSSystem="1" Start="2002-03-15" Duration="P4D" End="2002-03-30">
                <HotelName HotelShortName="Riverside"/>
                <RelativePositions>
                    <RelativePosition IndexPointCode="5">
                        <Transportations>
                            <Transportation Removal="false" TransportationCode="20" Description="Taxi"
TypicalTravelTime="15 minutes" Amount="30.00" CurrencyCode="usd" DecimalPlaces="2">
                                </Transportation>
                            </Transportations>
                        </RelativePosition>
                    </RelativePositions>
                    <CategoryCodes>
                        <LocationCategory Code="4"/>
                        <SegmentCategory Code="3"/>
                        <HotelCategory Code="3"/>
                        <ArchitecturalStyle Code="3"/>
                        <GuestRoomInfo Code="12" Quantity="576"/>
                    </CategoryCodes>
                    <HotelInfoCodes>
                        <HotelInfoCode Code="5" Quantity="2"/>
                    </HotelInfoCodes>
                    <Position Latitude="66" Longitude="98" Altitude="2355"/>
                    <Services>
                        <Service Code="5" InvCode="5">
                            <RelativePosition IndexPointCode="5">
                                <Transportations>
                                    <Transportation Removal="false" TransportationCode="5" Amount="100.00"
CurrencyCode="USD" DecimalPlaces="2">
                                        </Transportation>
                                    </Transportations>
                                </RelativePosition>
                            </OperationSchedules>
                                <OperationSchedule Start="2002-03-03" Duration="P4D" End="2002-03-15">
                                    <OperationTimes>
                                        <OperationTime Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1"
Sun="1" Start="2002-03-01" Duration="P4D" End="2002-03-30"/>
                                    </OperationTimes>
                                    <Charge TaxInclusive="false" Type="Inclusive" Code="5" Amount="100.00"
CurrencyCode="USD">
                                        <Taxes Amount="3.00" CurrencyCode="USD" DecimalPlaces="2">
                                            <Tax Type="Inclusive" Code="5" Amount="100.00"
CurrencyCode="USD">
                                                <TaxDescription ParagraphNumber="1" Language="en-us">
                                                    <Text Language="en-us"/>
                                                </TaxDescription>

```

```

        </Tax>
        </Taxes>
        <Description ParagraphNumber="1" Language="en-us">
          <Text Language="en-us"/>
        </Description>
      </Charge>
    </OperationSchedule>
  </OperationSchedules>
</Service>
</Services>
</HotelInfo>
<FacilityInfo LastUpdated="2002-01-01T01:15:00">
  <MeetingRooms MeetingRoomCount="20" LargestRoomSpace="4000"
    UnitOfMeasure="square feet" SmallestRoomSpace="100" TotalRoomSpace="1000"
    LargestSeatingCapacity="200" SecondLargestSeatingCapacity="100" SmallestSeatingCapacity="20">
    <MeetingRoom Removal="false">
      <Codes>
        <Code Code="5" Quantity="2">
          <Charge TaxInclusive="false" Type="Inclusive" Code="5" Amount="200.00"
            CurrencyCode="usd">
              <Taxes Amount="200.00" CurrencyCode="USD" DecimalPlaces="2">
                <Tax Type="Inclusive" Code="5" Percent="15" Amount="100.00"
                  CurrencyCode="usd">
                    <TaxDescription ParagraphNumber="1" Language="en">
                      <Text Language="en"/>
                    </TaxDescription>
                  </Tax>
                </Taxes>
              <Description ParagraphNumber="1" Language="en-us">
                <Text Language="en-us"/>
              </Description>
            </Charge>
          </Code>
        </Codes>
        <Dimension Height="25" Length="200" Width="200" Units="2"/>
        <AvailableCapacities>
          <MeetingRoomCapacity MeetingRoomFormatCode="1">
            <Occupancy MaxOccupancy="500">
              <MinRoomCharge TaxInclusive="true" Type="Inclusive" Code="5"
                Amount="1000.00" CurrencyCode="USD">
                  <Taxes Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">
                    <Tax Type="Inclusive" Code="5" Amount="100.00"
                      CurrencyCode="USD">
                        <TaxDescription ParagraphNumber="1" Language="en-us">
                          <Text Language="en-us"/>
                        </TaxDescription>
                      </Tax>
                    </Taxes>
                  <Description ParagraphNumber="1" Language="en-us">
                    <Text Language="en-us"/>
                  </Description>
                </MinRoomCharge>
              </Occupancy>
            </MeetingRoomCapacity>
          </AvailableCapacities>
        </MeetingRoom>
      </MeetingRooms>
      <GuestRooms>
        <GuestRoom Code="k1" CodeContext="crs" Quantity="200" RoomTypeName="King
        Bedded Room" MaxOccupancy="3">
          <TypeRoom StandardNumBeds="1" StandardOccupancy="2" MaxRollaways="1"/>
          <Amenities>
            <Amenity RoomAmenityCode="5" Quantity="2">
              <OperationSchedules>
                <OperationSchedule Start="2002-03-01" Duration="P4D" End="2002-03-
30">

```

```

        <OperationTimes>
          <OperationTime Mon="1" Tue="1" Weds="1" Thur="1" Fri="1"
Sat="1" Sun="1" Start="2002-03-01" Duration="P4D" End="2002-03-30"/>
        </OperationTimes>
        <Charge TaxInclusive="false" Type="Inclusive" Code="5"
Amount="100.00" CurrencyCode="USD">
          <Taxes Amount="100.00" CurrencyCode="USD"
DecimalPlaces="2">
            <Tax Type="Inclusive" Code="5" Amount="100.00"
CurrencyCode="USD">
              <TaxDescription ParagraphNumber="1" Language="en-
us">
                <Text Language="en-us"/>
              </TaxDescription>
            </Tax>
          </Taxes>
          <Description ParagraphNumber="1" Language="en">
            <Text Language="en"/>
          </Description>
        </Charge>
      </OperationSchedule>
    </OperationSchedules>
  </Amenity>
</Amenities>
</GuestRoom>
</GuestRooms>
<Restaurants>
  <Restaurant RestaurantName="Bourbon cafe" MaxSeatingCapacity="200"
MaxSingleParty="25" InvCode="5" OfferBreakfast="true" OfferLunch="true" OfferDinner="true"
OfferBrunch="false">
    <RestaurantDescription ParagraphNumber="1" Language="en">
      <Text Language="en-us"/>
    </RestaurantDescription>
    <RelativePosition IndexPointCode="5">
      <Transportations>
        <Transportation Removal="false" TransportationCode="5" Amount="100.00"
CurrencyCode="USD" DecimalPlaces="2">
          </Transportation>
        </Transportations>
      </RelativePosition>
    </OperationSchedules>
    <OperationSchedule Start="2002-03-01" End="2002-03-30">
      <OperationTimes>
        <OperationTime Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1"
Sun="1" Start="2002-03-01" End="2002-03-30"/>
      </OperationTimes>
    </OperationSchedule>
  </OperationSchedules>
  <InfoCodes>
    <InfoCode Name="SrvclInfoCode" Code="1" Removal="false"/>
  </InfoCodes>
  <CuisineCodes>
    <CuisineCode Code="1" Removal="false" IsMain="true"/>
  </CuisineCodes>
</Restaurant>
</Restaurants>
</FacilityInfo>
<Policies>
  <Policy Start="2002-03-01" Duration="P4D" End="2002-03-30" Code="5"
PetsPolicyCode="5">
    <CancelPolicy>
      <CancelPenalty ConfirmClassCode="5" PolicyCode="5" NonRefundable="true">
        <Deadline OffsetTimeUnit="Year" OffsetDropTime="BeforeArrival"/>
        <AmountPercent TaxInclusive="false" FeesInclusive="false" NmbrOfNights="2"
BasisType="FullStay" Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">
          <Taxes Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">

```

```

CurrencyCode="USD">
    <Tax Type="Inclusive" Code="5" Amount="100.00"
    </Tax>
    </Taxes>
    </AmountPercent>
    <PenaltyDescription ParagraphNumber="1" Language="en-us">
    <Text Language="en-us"/>
    </PenaltyDescription>
    </CancelPenalty>
    </CancelPolicy>
    <GuaranteePaymentPolicy Removal="false">
    <GuaranteePayment RetributionType="ResAutoCancelled" PaymentCode="5">
    <AcceptedPayments>
    <AcceptedPayment ShareSynchInd="Yes" ShareMarketInd="Yes">
    <PaymentCard ShareSynchInd="Yes" ShareMarketInd="Yes"
CardType="5F" CardCode="AX" CardNumber="0000999988887777" SeriesCode="5" ExpireDate="0303">
    <CardHolderName>Joe Smith</CardHolderName>
    <CardIssuerName BankID="1"/>
    <Address FormattedInd="false" ShareSynchInd="Yes"
ShareMarketInd="Yes" Type="5F">
    <StreetNmbr PO_Box="123"/>
    <CityName>Anywhere</CityName>
    <PostalCode>00000-0000</PostalCode>
    <StateProv StateCode="tx"/>
    <CountryName Code="us"/>
    </Address>
    </PaymentCard>
    </AcceptedPayment>
    </AcceptedPayments>
    <AmountPercent TaxInclusive="false" FeesInclusive="false"
BasisType="FullStay" Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">
    <Taxes Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">
    <Tax Type="Inclusive" Code="5" Amount="100.00"
    </Tax>
    </Taxes>
    </AmountPercent>
    <Deadline OffsetTimeUnit="Year" OffsetDropTime="BeforeArrival"/>
    </GuaranteePayment>
    </GuaranteePaymentPolicy>
    <PolicyInfoCodes>
    <PolicyInfoCode Code="5" CodeContext="1" Quantity="2"
Name="AdditionalOversoldPolicy"/>
    </PolicyInfoCodes>
    <CheckoutCharges>
    <CheckoutCharge Amount="50.00" CurrencyCode="usd" DecimalPlaces="2"
Type="Early"/>
    </CheckoutCharges>
    <PolicyInfo CheckInTime="2001-12-17T09:30:47-05:00" CheckOutTime="2001-12-
17T09:30:47-05:00" MinGuestAge="18" MinRecommendedGuestAge="21" UsualStayFreeCutoffAge="12"
UsualStayFreeChildPerAdult="5"/>
    </Policy>
    </Policies>
    <AreaInfo>
    <RefPoints>
    <RefPoint IndexPointCode="5" RefPointCategoryCode="5" Removal="false">
    <Transportations>
    <Transportation Removal="false" TransportationCode="5" Amount="100.00"
    </Transportation>
    </Transportations>
    </RefPoint>

```

```

        </RefPoints>
        <Attractions LastUpdated="2003-01-03T03:12:00">
          <Attraction AttractionCategoryCode="5" Start="2002-03-01" Duration="P4D" End="2002-
03-30" Removal="false">
            <Contact Removal="false">
              <Names>
                <Name ShareSynchInd="Yes" ShareMarketInd="Yes" NameType="5F"
Removal="false" Gender="Male" SvcCode="5">
                  <NamePrefix>Mr.</NamePrefix>
                  <GivenName>Joe</GivenName>
                  <Surname>Smith</Surname>
                </Name>
              </Names>
              <Addresses>
                <Address FormattedInd="false" ShareSynchInd="Yes" ShareMarketInd="Yes"
Type="5F">
                  <StreetNmbr PO_Box="123"/>
                  <CityName>Anywhere</CityName>
                  <PostalCode>00000-0000</PostalCode>
                  <StateProv StateCode="tx"/>
                  <CountryName Code="us"/>
                </Address>
              </Addresses>
              <Phones>
                <Phone ShareSynchInd="Yes" ShareMarketInd="Yes"
PhoneLocationType="5F" PhoneTechType="5F" CountryAccessCode="001" AreaCityCode="554"
PhoneNumber="900-0877" Extension="55" FormattedInd="false" DefaultInd="false" PhoneUseType="5F"/>
              </Phones>
              <Emails>
                <Email ShareSynchInd="Yes" ShareMarketInd="Yes" DefaultInd="false"
EmailType="5F" Removal="false">joe.smith@abc.com</Email>
              </Emails>
              <URLs>
                <URL ShareSynchInd="Yes" ShareMarketInd="Yes" Type="5F"
DefaultInd="false"/>
              </URLs>
            </Contact>
            <Description ParagraphNumber="1" Language="en-us">
              <Text Language="en-us"/>
            </Description>
            <RefPoints>
              <RefPoint IndexPointCode="5" RefPointCategoryCode="5" Removal="false">
                <Transportations>
                  <Transportation Removal="false" TransportationCode="5"
Amount="100.00" CurrencyCode="USD" DecimalPlaces="2">
                    </Transportation>
                  </Transportations>
                </RefPoint>
              </RefPoints>
            </Attraction>
          </Attractions>
        </ArealInfo>
        <AffiliationInfo LastUpdated="2003-02-11T13:28:00">
          <DistribSystems>
            <DistribSystem Removal="false" ChainCode="5" BrandCode="5" HotelCode="5"
HotelCityCode="5" HotelCodeContext="1">
              <CompanyName TravelSector="0G" Code="5" CodeContext="1"/>
            </DistribSystem>
          </DistribSystems>
          <Brands>
            <Brand Removal="false" CategoryCode="5"/>
          </Brands>
          <LoyalPrograms>
            <LoyalProgram Removal="false" ProgramName="Hilton HHonors"
SecondaryProgramName="HHonors" AffiliateProgramName="Hilton HHonors">
              <ProgramDescription ParagraphNumber="1" Language="en-us" Removal="false">

```



```

        <Text Language="en-us"/>
    </ProgramDescription>
    <ProgramRestriction ParagraphNumber="1" Language="en-us" Removal="false">
        <Text Language="en-us"/>
    </ProgramRestriction>
</LoyalProgram>
</LoyalPrograms>
<Awards>
    <Award Removal="false" Date="2003-03-01" Provider="AAA" Rating="4 stars"/>
</Awards>
</AffiliationInfo>
<MultimediaObjects LastUpdated="2003-02-11T13:29:00">
    <MultimediaObject ParagraphNumber="1" Language="en-us" Removal="false"
ContentCode="5" PictureCategoryCode="5" Version="1" ContentTitle="Long Description" ContentData="on-
demand">
        <Text Language="en-us"/>
    </MultimediaObject>
</MultimediaObjects>
<ContactInfos>
    <ContactInfo Removal="false" ContactProfileType="5F" LastUpdated="2003-02-
11T13:29:00">
        <Names>
            <Name ShareSynchInd="Yes" ShareMarketInd="Yes" NameType="5F"
Removal="false" Gender="Male" SvcCode="5">
                <NamePrefix>Mr</NamePrefix>
                <GivenName>Mark</GivenName>
                <Surname>Smith</Surname>
            </Name>
        </Names>
        <Addresses>
            <Address FormattedInd="false" ShareSynchInd="Yes" ShareMarketInd="Yes"
Type="5F" DefaultInd="false" UseType="5F" Removal="false">
                <StreetNmbr PO_Box="123"/>
                <AddressLine>Cherry Lane</AddressLine>
                <CityName>New Orleans</CityName>
                <PostalCode>15654</PostalCode>
                <County>Macon</County>
                <StateProv StateCode="LA"/>
                <CountryName Code="us"/>
            </Address>
        </Addresses>
        <Phones>
            <Phone ShareSynchInd="Yes" ShareMarketInd="Yes" PhoneLocationType="5F"
PhoneTechType="5F" CountryAccessCode="001" AreaCityCode="444" PhoneNumber="4555252"
FormattedInd="false" DefaultInd="false" PhoneUseType="5F"/>
        </Phones>
        <Emails>
            <Email ShareSynchInd="Yes" ShareMarketInd="Yes" DefaultInd="false"
Removal="false">mark.smith@abc.com</Email>
        </Emails>
        <URLs>
            <URL ShareSynchInd="Yes" ShareMarketInd="Yes" Type="5F" DefaultInd="false"/>
        </URLs>
    </ContactInfo>
</ContactInfos>
</HotelDescriptiveContent>
</HotelDescriptiveContents>
</OTA_HotelDescriptiveInfoRS>

```

8.6.2. Use Case 2

8.6.2.1. Request: Specific Hotel Content Information

Sellmorerooms.com has seen a lot of business on their web site for the Hilton New Orleans Riverside. They get a lot of email requests for information about a new restaurant the hotel has opened. Sellmorerooms.com just did a content request, however the restaurant information was loaded after their last request. They would like to get the restaurant data without getting all of the other information they just received. Sellmorerooms.com sends a request to Hilton specifically asking for restaurant information.

OTA_HotelDescriptiveInfoRQ2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelDescriptiveInfoRQ Target="Production" Version="1.002" SequenceNmbr="1"
PrimaryLangID="en" 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_HotelDescriptiveInfoRQ.xsd">
  <HotelDescriptiveInfos>
    <HotelDescriptiveInfo ChainCode="hh" BrandCode="hf" HotelCode="msynh" HotelCityCode="msy"
HotelName="New Orleans Riverside" HotelCodeContext="crs">
      <FacilityInfo SendRestaurants="true"/>
    </HotelDescriptiveInfo>
  </HotelDescriptiveInfos>
</OTA_HotelDescriptiveInfoRQ>
```

8.6.2.2. Response: Specific Hotel Content Information

The Hilton responds back with information about their restaurants.

OTA_HotelDescriptiveInfoRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelDescriptiveInfoRS Target="Production" Version="2.000" SequenceNmbr="1" PrimaryLangID="en"
AltLangID="en" 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_HotelDescriptiveInfoRS.xsd">
  <POS>
    <Source PseudoCityCode="SF" ISOCountry="US" ISOCurrency="USD" AgentDutyCode="3"
AirportCode="MEM" FirstDepartPoint="MEM" ERSP_UserID="99">
      <RequestorID URL="sellmorerooms.com" Type="5F" Instance="1" ID="99">
        <CompanyName CompanyShortName="Sell More Rooms" TravelSector="0G" Code="5"
CodeContext="1"/>
      </RequestorID>
      <Position Latitude="125" Longitude="117" Altitude="84"/>
      <BookingChannel Type="5F" Primary="true">
        <CompanyName TravelSector="0G" Code="5" CodeContext="1"/>
      </BookingChannel>
    </Source>
  </POS>
  <Success/>
  <HotelDescriptiveContents ChainCode="hh" BrandCode="hf" HotelCode="msynh" HotelCityCode="msy"
HotelName="New Orleans Riverside" HotelCodeContext="crs" AreaID="554" Overwrite="true">
    <HotelDescriptiveContent CurrencyCode="usd" DecimalPlaces="2" LanguageCode="en"
UnitOfMeasure="miles">
      <DestinationSystemsCode>
        <DestinationSystemCode>6</DestinationSystemCode>
      </DestinationSystemsCode>
    </HotelDescriptiveContent>
  </HotelDescriptiveContents>
</OTA_HotelDescriptiveInfoRS>
```

```

</DestinationSystemsCode>
<FacilityInfo LastUpdated="2001-01-01T01:15:00">
  <Restaurants>
    <Restaurant RestaurantName="Bourbon cafe" MaxSeatingCapacity="200"
MaxSingleParty="25" InvCode="5" OfferBreakfast="true" OfferLunch="true" OfferDinner="true"
OfferBrunch="false">
      <RestaurantDescription ParagraphNumber="1" Language="en">
        <Text Language="en-us"/>
      </RestaurantDescription>
      <RelativePosition Distance="0">
        </RelativePosition>
      <OperationSchedules>
        <OperationSchedule Start="2003-03-03" Duration="P4D" End="2003-03-15">
          <OperationTimes>
            <OperationTime Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1"
Sun="1" Start="2003-03-01" Duration="P4D" End="2003-03-30"/>
          </OperationTimes>
        </OperationSchedule>
      </OperationSchedules>
      <InfoCodes>
        <InfoCode Name="SrvInfoCode" Code="1" Removal="false"/>
      </InfoCodes>
      <CuisineCodes>
        <CuisineCode Code="1" Removal="false" IsMain="true"/>
      </CuisineCodes>
    </Restaurant>
  </Restaurants>
</FacilityInfo>
</HotelDescriptiveContent>
</HotelDescriptiveContents>
</OTA_HotelDescriptiveInfoRS>

```

8.7. OTA_HotelGetMsgRQ/RS

The Get Message request/response pair of messages permits a system that normally receives notifications to ask for a re-transmission of a message.

The business model assumes that the requesting system receives messages that are numbered sequentially, and may ask for a message to be re-sent. In the event that the receiving system receives a message that is not in numerical sequence, this message set can be used to retrieve missing messages, or to ask for a retransmission of data that for some reason was not cleanly received.

The requesting system will send a request using the OTA_HotelGetMsgRQ message. The receiving system will acknowledge and respond with the OTA_HotelGetMsgRS message.

8.7.1. Use Case 1 (TBD)

TBD

8.7.1.1. Request: Hotel Get Message

TBD

OTA_HotelGetMsgRQ.xml

TBD

8.7.1.2. Response: Hotel Get Message

TBD

OTA_HotelGetMsgRS.xml

TBD

8.8. OTA_HotelInvAdjustRQ/RS

TDB

8.8.1. Use Case 1 (TBD)

TBD

8.8.1.1. Request: Hotel Inventory Adjust

TBD

OTA_HotelInvAdjustRQ.xml

TBD

8.8.1.2. Response: Hotel Inventory Adjust

TBD

OTA_HotelInvAdjustRS.xml

TBD

8.9. OTA_HotelInvBlockNotifRQ/RS

The Inventory Block Notification message is used to notify a booking authority of the creation of a group block that can be sold against inventory, and to subsequently modify or synchronize an existing inventory block between systems.

In order to accommodate reservations for a group of guests in one party, a hotel may assign an inventory block and notify the Central Reservation Systems of the code and the allotment that can be used. Travel agents that are authorized to book against the allotment may then contact the hotel or Central Reservations Office to pick up a reservation within the block of rooms.

Viewership of the inventory block is also a negotiated item. Some blocks may be created with agents having only a read-only capability because reservations for the block must be made through a single convention bureau, or market segment. In this case, certain rates are packaged together and typically booked by a group of agents. Viewership defines the distribution channels for the block by using the profiles of the authorized booking agents, and assigning distribution channels through the collection of System Codes.

The Hotel Rate Plan Notification and the Hotel Inventory Block Notification messages can be combined to create a group block specifying inventory types and rate plans, indicating the date range that the group block can be booked, including shoulder periods on either side of the stay dates. The Hotel Rate Amount Notification can be used to indicate the amount charged for the group plan, and any booking restrictions can be sent via the Hotel Booking Rule Notification if needed.

Thus, the Hotel Inventory Block Notification creates the foundation for communicating the rate and inventory of a block, as well as the rules associated with creation of the block. This message includes rates, room types, and hard rules that apply to the booking block, e.g.: 3-night stay required, etc. Although the Hotel Inventory Block Notification is a message that establishes the foundation for a block of inventory, it does not assume any booking activity.

Once the selling process is underway, the synchronization of inventory blocks can be a complicated process. A translation table may be needed to identify an inventory block in one system with the same inventory block that is stored in another system. The Hotel Inventory Block Notification message tells a booking agent whether this is an initial announcement of a new Inventory Block, an update of an active (bookable) block, or a notification of a block that is no longer in effect and should be deactivated in the booking agent's system. The Booking Limit Status Message, a part of the Hotel Availability Notification, can be used to set new limits and report the utilization of the block in order to pass information, such as the guest count, and to synchronize the information on both sides of the interface.

When a hotel system sends out a status message to notify systems of the availability of a hotel, the Status Application Control uses the Inventory Block codes to determine the status of availability for the block. The InventoryBlockCodeType indicates whether the inventory block(s) available are a single Inventory Block code, or a grouping of Inventory Block codes.

The RatePlan Shoulders, Sellable Products and Viewerships contain a Reference Place Holder element (RPH) that can be used for indexing to identify a specific Inventory Block in a collection.

The <OTA_HotelInvBlockNotifRS> returns a response to the Hotel Inventory Block Notification, indicating that the message was successfully processed.

Additionally, the response message may return the InvBlockCode and /or the InvBlockGrouping Code(s) assigned by the receiving system for the inventory block in response to a new inventory block notification. These values would only

be returned when the notification is of *InvBlockCodeType*= New and the sender is translating the inventory block code values. In this case, the *InvBlockCode* attribute would be empty and in subsequent transactions for the Inventory Block, the sender would populate the *InvBlockCode* attribute with the values returned by the receiver.

8.9.1. Use Case 1

8.9.1.1. Request: Hotel Inventory Block Notification

The sales assistant at the Richmond Marriott Hotel has just finished entering a group block into the hotel's sales system. The block is definite and still needs to be setup in the hotel's reservations system. The sales assistant makes the entry to send the group block's data into the reservation system so that rooms can be booked into it. In this particular instance, a Trading Partner Agreement has been set-up that defines the Block Dates as an additional date on either end that are not typically allocated with rooms.

The following information is sent from the sales system to the reservation system to setup a group block:

Group Information:

Hotel Code: RICDT

Opportunity Name: Virginia Booksellers Convention

Opportunity Identifier: 3524

Block Name: VA Booksellers

Block Code: VBS

Block Dates: 2-9 May 2004

Cutoff Date: 11 April 2004

Block Type: Group

Viewing Indicator: All may view

Housing Indicator: All may book

PMS Group Master Number: 10059

Room Information:

Room Type 1: GENR

Room Type 1 Allocation 1 Start Date: 3May2004

Room Type 1 Allocation 1 Duration: 1

Room Type 1 Allocation 1 Amount: 250

Room Type 1 Allocation 2 Start Date: 4May2004

Room Type 1 Allocation 2 Duration: 3

Room Type 1 Allocation 2 Amount: 300

Room Type 1 Allocation 3 Start Date: 7May2004

Room Type 1 Allocation 3 Duration: 1

Room Type 1 Allocation 3 Amount: 150

Room Type 1 Rate Plan 1 Code: VBSA

Room Type 1 Rate Plan 1 Single Rate Amount: 8900
Room Type 1 Rate Plan 1 Double Rate Amount: 9900

Room Type 1 Rate Plan 1 Market Code 1: VBSAR
Room Type 1 Rate Plan 1 Market Code 1 Description: Attendees
Room Type 1 Rate Plan 1 Market Code 1 Commission: Non-commissionable

Room Type 1 Rate Plan 1 Market Code 2: VBSER
Room Type 1 Rate Plan 1 Market Code 2 Description: Exhibitors
Room Type 1 Rate Plan 1 Market Code 2 Commission: Non-commissionable

Room Type 1 Rate Plan 2 Code: VBSB
Room Type 1 Rate Plan 2 Single Rate Amount: 6900
Room Type 1 Rate Plan 2 Double Rate Amount: 7900

Room Type 1 Rate Plan 2 Market Code 1: VBSGR
Room Type 1 Rate Plan 2 Market Code 1 Description: Guests
Room Type 1 Rate Plan 2 Market Code 1 Commission: Non-commissionable

Room Type 2: CONC
Room Type 2 Allocation 1 Start Date: 3May2004
Room Type 2 Allocation 1 Duration: 1
Room Type 2 Allocation 1 Amount: 25

Room Type 2 Allocation 2 Start Date: 4May2004
Room Type 2 Allocation 2 Duration: 3
Room Type 2 Allocation 2 Amount: 30

Room Type 2 Allocation 3 Start Date: 7May2004
Room Type 2 Allocation 3 Duration: 1
Room Type 2 Allocation 3 Amount: 15

Room Type 2 Rate Plan 1 Code: VBSC
Room Type 2 Rate Plan 1 Single Rate Amount: 10900
Room Type 2 Rate Plan 1 Double Rate Amount: 11900

Room Type 2 Rate Plan 1 Market Code 1: VBSSR
Room Type 2 Rate Plan 1 Market Code 1 Description: Staff
Room Type 2 Rate Plan 1 Market Code 1 Commission: Non-commissionable

Room Type 2 Rate Plan 1 Market Code 2: VBSER
Room Type 2 Rate Plan 1 Market Code 2 Description: Exhibitors
Room Type 2 Rate Plan 1 Market Code 2 Commission: Non-commissionable

Contact Information:

Group contact: Mr. John P. Campbell, Jr.
2121 Turtle Run Drive

Richmond, VA 23212
Phone: 804-788-5846
Fax: 804-788-2625
E-mail: JPCJR@VBS.org

Hotel contact: Ms. Ashley Shepherd
Phone: 804-643-3400

Block Facts (free text description):

MON MAY 3 - FRI MAY 7	1-5 NIGHTS
BOOKING NUMBER:	3524
VIRGINIA BOOKSELLERS CONVENTION	
ATTENDEES	INDIV \$89/\$99 CA/EPO
EXHIBITORS - GENR	LIST \$89/\$99 CA/EPO
EXHIBITORS - CONC	LIST \$109/\$119 CA/EPO
STAFF	LIST \$109/\$119 SC/RM & TAX
GUESTS	LIST \$69/\$79 SC/RM & TAX
SALES MANAGER:	ASHLEY SHEPHERD
RESERVATION BY:	VARIES (SEE ABOVE)
NEW RESERVATION OK?:	YES, ATTENDEES ONLY
CHANGES/CANCELS OK?:	YES, ATTENDEES ONLY
CUT OFF DATE:	11 APRIL 2004
GROUP CONTACT:	JOHN CAMPBELL 804-788-5846
MARKET CODE:	VARIES – VBS_R
PMS ACCT:	10059
0*VBSNN1VBSA	

OTA_HotelInvBlockNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvBlockNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvBlockNotifRQ.xsd"
  Target="Production" Version="2.000">
  <POS>
    <Source AgentSine="SF" AgentDutyCode="SU">
      <RequestorID Type="10" ID="RICDT"/>
    </Source>
  </POS>
  <InvBlocks>
    <InvBlock BookingStatus="Open" InvBlockTypeCode="13" InvBlockCode="VBS"
      InvBlockName="VA Booksellers" InvBlockLongName="Virginia Booksellers Convention"
      InvBlockStatusCode="2" PMS_InvBlockID="10059" OpportunityID="3524"
      TransactionAction="Book">
      <HotelRef HotelCode="RICDT"/>
      <InvBlockDates Start="2004-05-02" End="2004-05-09" AbsoluteCutoff="2004-04-11"/>
      <RoomTypes>
        <RoomType RoomTypeCode="GENR">
          <RoomTypeAllocations>
            <RoomTypeAllocation Start="2004-05-03" Duration="P1D"
              NumberOfUnits="250"/>
            <RoomTypeAllocation Start="2004-05-04" Duration="P3D"
              NumberOfUnits="300"/>
            <RoomTypeAllocation Start="2004-05-07" Duration="P1D"
              NumberOfUnits="150"/>
          </RoomTypeAllocations>
        </RoomType>
      </RoomTypes>
    </InvBlock>
  </InvBlocks>
</OTA_HotelInvBlockNotifRQ>
```



```

        </RoomTypeAllocations>
        <RatePlans>
            <RatePlan CurrencyCode="USD" RatePlanCode="VBSA">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AmountBeforeTax="8900"
NumberOfGuests="1"/>
                    <BaseByGuestAmt AmountBeforeTax="9900"
NumberOfGuests="2"/>
                </BaseByGuestAmts>
                <MarketCode MarketCode="VBSAR" MarketCodeName="Attendees"
CommissionableIndicator="false"/>
                <MarketCode MarketCode="VBSER" MarketCodeName="Exhibitors"
CommissionableIndicator="false"/>
            </RatePlan>
            <RatePlan CurrencyCode="USD" RatePlanCode="VBSB">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AmountBeforeTax="6900"
NumberOfGuests="1"/>
                    <BaseByGuestAmt AmountBeforeTax="7900"
NumberOfGuests="2"/>
                </BaseByGuestAmts>
                <MarketCode MarketCode="VBSGR" MarketCodeName="Guests"
CommissionableIndicator="false"/>
            </RatePlan>
        </RatePlans>
    </RoomType>
    <RoomType RoomTypeCode="CONC">
        <RoomTypeAllocations>
            <RoomTypeAllocation Start="2004-05-03" Duration="P1D"
NumberOfUnits="25"/>
            <RoomTypeAllocation Start="2004-05-04" Duration="P3D"
NumberOfUnits="30"/>
            <RoomTypeAllocation Start="2004-05-07" Duration="P1D"
NumberOfUnits="15"/>
        </RoomTypeAllocations>
        <RatePlans>
            <RatePlan CurrencyCode="USD" RatePlanCode="VBSC">
                <BaseByGuestAmts>
                    <BaseByGuestAmt AmountBeforeTax="10900"
NumberOfGuests="1"/>
                    <BaseByGuestAmt AmountBeforeTax="11900"
NumberOfGuests="2"/>
                </BaseByGuestAmts>
                <MarketCode MarketCode="VBSSR" MarketCodeName="Staff"
CommissionableIndicator="false"/>
                <MarketCode MarketCode="VBSER" MarketCodeName="Exhibitors"
CommissionableIndicator="false"/>
            </RatePlan>
        </RatePlans>
    </RoomType>
</RoomTypes>
<BlockDescriptions>
    <BlockDescription Name="Block Facts" Start="2004-05-02" End="2004-05-09">
        <Text Formatted="true">MON MAY 3 - FRI MAY 7 1-5
NIGHTS</Text>
        <Text Formatted="true">BOOKING NUMBER: 3524</Text>
        <Text Formatted="true">VIRGINIA BOOKSELLERS CONVENTION</Text>
        <Text Formatted="true">ATTENDEES INDIV VBSA $89/$99
CA/EPO</Text>
        <Text Formatted="true">EXHIBITORS - GENR LIST VBSA $89/$99
CA/EPO</Text>
        <Text Formatted="true">EXHIBITORS - CONC LIST VBSC $109/$119
CA/EPO</Text>
        <Text Formatted="true">STAFF LIST VBSC $109/$119
SC/RM AND TAX</Text>
    </BlockDescription>

```

	<Text Formatted="true">GUESTS	LIST	VBSB	\$69/\$79
SC/RM AND TAX</Text>	<Text Formatted="true">SALES MANAGER:			ASHLEY
SHEPHERD</Text>	<Text Formatted="true">RESERVATIONS BY:			VARIES (SEE
ABOVE)</Text>	<Text Formatted="true">NEW RESERVATIONS OK?:			YES,
ATTENDEES ONLY</Text>	<Text Formatted="true">CHANGES/CANCELS OK?:			YES,
ATTENDEES ONLY</Text>	<Text Formatted="true">CUT OFF DATE:			11 APRIL
2004</Text>	<Text Formatted="true">GROUP CONTACT:			JOHN
CAMPBELL 804-788-5846</Text>	<Text Formatted="true">MARKET CODE:			VARIES -
VBS_R</Text>	<Text Formatted="true">PMS ACCT #:			10059</Text>
	<Text Formatted="true">0*VBSNN1VBS</Text>			
	</BlockDescription>			
	</BlockDescriptions>			
	<Contacts>			
	<Contact ContactType="Group Contact">			
	<PersonName>			
	<NamePrefix>Mr.</NamePrefix>			
	<GivenName>John</GivenName>			
	<MiddleName>P.</MiddleName>			
	<Surname>Campbell</Surname>			
	<NameSuffix>Jr.</NameSuffix>			
	</PersonName>			
	<Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="804"			
PhoneNumber="788-5846"/>	<Telephone PhoneTechType="3" CountryAccessCode="1" AreaCityCode="804"			
PhoneNumber="788-2625"/>	<Address>			
	<AddressLine>2121 Turtle Run Drive</AddressLine>			
	<CityName>Richmond</CityName>			
	<PostalCode>23212</PostalCode>			
	<StateProv StateCode="VA"/>			
	<CountryName Code="US"/>			
	</Address>			
	<Email>JPCJR@VBS.org</Email>			
	</Contact>			
	<Contact ContactType="Hotel Contact">			
	<PersonName>			
	<NamePrefix>Ms.</NamePrefix>			
	<GivenName>Ashley</GivenName>			
	<Surname>Shepherd</Surname>			
	</PersonName>			
	<Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="804"			
PhoneNumber="643-3400"/>	</Contact>			
	</Contacts>			
	</InvBlock>			
	</InvBlocks>			
	</OTA_HotelInvBlockNotifRQ>			

8.9.1.2. Response: Hotel Inventory Block Notification

An acknowledgement of successful receipt of this information would be sent by the reservation system back to the sales system.

OTA_HotellnvBlockNotifRS.xml

```
<OTA_HotellnvBlockNotifRS xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_HotellnvBlockNotifRS.xsd" Target="Production" Version="2.000">
<Success/>
</OTA_HotellnvBlockNotifRS>
```

8.10.OTA_HotellnvCountNotifRQ/RS

The Inventory Count Notification message notifies a booking source of the amount of inventory available at a specific hotel property. It allows the Property Management System and Central Reservation Systems or other booking sources to synchronize the number of inventory items available for sale between them.

When a new hotel is opened for the first time, the Inventory Notification message would be used to supply the reservation systems with descriptions of rooms in the hotel, as well as non-room products that are also subject to inventory control.

The Inventory Count Notification is used to send base inventory levels by inventory code, (e.g., room type code) to establish the physical inventory count. An Inventory Notification should always precede an Inventory Count Notification to establish the existence of inventory codes in the reservation system.

The physical inventory is the basis by which availability is determined. However, additional calculations figure into assigning the inventory counts for availability. Availability is a commitment to sell a room at a specific rate or plan. Since the same rooms may be sold under different rate plans, a system may carry a discrete inventory, or an inventory count in association with different rates. The superset of inventory may be greater than the physical count, with the actual number of rooms counted down when they are sold.

The Inventory Count Notification message can be used to communicate to revenue management systems how many rooms are available to sell during a specific period. A reservation system may choose not to synchronize with actual inventory numbers, rather with a threshold. Properties and booking sources need to agree on common thresholds, whether they are derived from virtual or real inventory, in addition to a way to accommodate overbooking.

This Notification message allows for communicating both base and off-sell inventory. The base inventory message accommodates changes in the base inventory levels, such as adding a new wing of the hotel. The off-sell inventory message sends a count of the inventory that is not available for sale. The off-sell messages indicate whether that inventory is temporarily out of order or has been taken off the market, as well as whether the inventory count is an adjustment to a current off-sell value, or a replacement of a previously determined amount.

8.10.1. Use Case 1*

8.10.1.1. Request: Hotel Inventory Count Notification

The Courtyard Atlanta Perimeter has an online booking relationship with Travel Today. The hotel sends the daily room availability and rates to Travel Today that they wish to

release to the online booking agent. The following is the information that the hotel submits to Travel Today.

The hotel has Standard Double rooms (room type, “SDD”). It wishes to allocate 30 Standard Double rooms for sale on April 1, 2005.

OTA_HotellInvCountNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotellInvCountNotifRQ 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_HotellInvCountNotifRQ.xsd"
  Version="1.000" Target="Production">
  <Inventories ChainCode="CY" HotelCode="ATLPE">
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="30" ActionType="Allocation">
          <InvBlockCutoff AbsoluteCutoff="2005-03-30T23:59:59"/>
        </InvCount>
      </InvCounts>
    </Inventory>
  </Inventories>
</OTA_HotellInvCountNotifRQ>
```

8.10.1.2. Response: Hotel Inventory Count Notification

Travel Today responds with a message that the message was received.

OTA_HotellInvCountNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotellInvCountNotifRS 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_HotellInvCountNotifRS.xsd"
  Version="1.000">
  <Success/>
</OTA_HotellInvCountNotifRS>
```

8.10.2. Use Case 2*

8.10.2.1. Request: Hotel Inventory Count Notification

In order to sell the Standard Double rooms (room type, “SDD”), the hotel has four rate plan codes that are associated with that room type (“ROOMONLY”, “ROOMCAR”, “ROOMAIR”, “RMCARAIR”). The hotel wishes to allocate 30 Standard Double rooms for sale, and a maximum of 10 should be sold in any one of the four rate plans.

The four rate plan codes exist to implement some business strategy such as:

- ROOMONLY - Traveler books hotel room only
- ROOMCAR - Traveler books hotel room and rental car
- ROOMAIR - Traveler books hotel room and airfare

- RMCARAIR - Traveler books hotel room, rental car, and airfare

In this example the inventory manager has allocated inventory in the PMS. This message is synchronizing the inventory between the PMS and the CRS.

OTA_HotelInvCountNotifRQ2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountNotifRQ.xsd"
  Version="1.000" Target="Production">
  <Inventories ChainCode="CY" HotelCode="ATLPE">
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="30" ActionType="Allocation"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        RatePlanCodeType="RatePlanCode" RatePlanCode="ROOMONLY"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="10" ActionType="Allocation"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        RatePlanCodeType="RatePlanCode" RatePlanCode="ROOMCAR"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="10" ActionType="Allocation"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        RatePlanCodeType="RatePlanCode" RatePlanCode="ROOMAIR"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="10" ActionType="Allocation"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl InvCodeApplication="InvCode" InvCode="SDD"
        RatePlanCodeType="RatePlanCode" RatePlanCode="RMCARAIR"
        Start="2005-04-01" End="2005-04-01">
      </StatusApplicationControl>
      <InvCounts>
        <InvCount Count="10" ActionType="Allocation"/>
      </InvCounts>
    </Inventory>
  </Inventories>
</OTA_HotelInvCountNotifRQ>
```

8.10.2.2. Response: Hotel Inventory Count Notification

The CRS responds to the PMS that the message was successfully received.

OTA_HotelInvCountNotifRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelInvCountNotifRS 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_HotelInvCountNotifRS.xsd"
  Version="1.000">
  <Success/>
</OTA_HotelInvCountNotifRS>
```

8.11.OTA_HotelInvNotifRQ/RS

The Hotel Inventory Notification message is the message that sends the notification of the creation of a new inventory item, such as a room type or service type that did not previously exist at a hotel property. When the database of a reservation system or booking source is populated for the first time, the hotel inventory notification message would be used to send descriptions of the inventory in the hotel, both room and non-room products.

A Hotel Inventory Notification establishes the existence of inventory codes in the receiving system. In the exchange of inventory information, which is not always a simple process, the sending system and the receiving system may assign different codes to the same inventory item. This requires the use of a translation table to link the inventory item in one system with the same item in another system.

For that reason, the Hotel Inventory Notification message should precede the Inventory Count Notification and Rate Plan Notification messages. The Inventory Count Notification establishes the physical inventory count by inventory code, and a Rate Plan Notification assigns a rate plan to the inventory item.

While the Hotel Inventory Notification message provides the building block that populates or initializes the hotel for any reservation system to establish the number of rooms etc. that can be sold, inventory restrictions that are associated with a rate can be set on the rate itself. Restrictions associated with a rate are sent using the Hotel Booking Rule Notification. Individual notification messages may be sent as separate transmissions or combined together within a MIME multipart envelope as each notification contains a Hotel Reference that identifies the hotel property.

When a hotel has been in operation for a period of time, the rooms, services and amenities that are part of inventory may change or be discontinued. The Inventory Notification allows for the update of an active inventory item, or the deletion of an inventory item altogether, indicating the current status of the inventory.

The response message returned for a new inventory item differs from other Availability, Rate and Inventory notification messages in that the receiving system may return the inventory code(s) assigned by that system that cross-

reference with the codes received along with the confirmation that the message was processed successfully.

8.11.1. Use Case 1 (TBD)

TBD

8.11.1.1. Request: Hotel Inventory Notification

TBD

OTA_HotellInvNotifRQ.xml

TBD

8.11.1.2. Response: Hotel Inventory Notification

TBD

OTA_HotellInvNotifRS.xml

TBD

8.12.OTA_HotellInvSyncRQ/RS

TDB

8.12.1. Use Case 1 (TBD)

TBD

8.12.1.1. Request: Hotel Inventory Synchronize

TBD

OTA_HotellInvSyncRQ.xml

TBD

8.12.1.2. Response: Hotel Inventory Synchronize

TBD

OTA_HotellInvSyncRS.xml

TBD

8.13.OTA_HotelRateAmountNotifRQ/RS

The Hotel Rate Amount Notification message notifies a booking source of changes in the rates charged for room and non-room products of a hotel.

The creation of a new rate plan is done through the Rate Plan Notification message. When the rate amount of an active (bookable) rate plan changes, an update is made through the Rate Amount Notification message. The Status Application Control is used to identify the inventory item (or inventory block), and the rate plan that the change in rate amount applies to.

The Hotel Rate Amount Message defines the amount of the base rate, as well as the maximum number of adults permitted in a room at the rate, along with the charges for additional adults and children. Tax amounts that apply to the rate are also communicated, indicating the type of tax and how it is calculated, whether a flat amount or percentage. In short, the Rate Amount Notification should convey all of the information needed by a reservation system to book a hotel room (or non-room product) at the newly-established rate amount.

Using the Status Application Control, rate changes can be made based on dates, days of week, rate plan codes and/or inventory and inventory block codes. The following are examples of different types of rate amount changes that could be applied through this message:

- **Dates**—the rate changes from \$89.00 per night to \$99.00 per night from May 21st through July 31st for the inventory codes related to double bed rooms and king bed rooms.
- **Days of Week**—The rate for all rooms on this property change from \$69.00 per night to \$59.00 per night on Fridays and Saturdays.
- **Rate Plan Codes**—AAA and AARP rates are increased from \$79.00 to \$89.00 per night.
- **Inventory Codes** (Room product)—Suites and apartment room rates are increased by 10% (using inventory codes that define these inventory types).
- **Inventory Code** (Non-room product)—Rates for ballrooms and meeting rooms are increased from May 1st through July 1st.
- **Inventory Block Code**—The room rate for a convention group (identified by inventory block code) is \$95.00 per night.
- **Additional occupancy**—Rates are \$ 9.00 per night for additional adults. Rates for additional children are \$5.00 per night.

When a rate amount is changed, the new rate amount must be populated up through the distribution system. The Viewership element defines the authorized distribution channel for the inventory, and the profile of the authorized booker for the inventory. Viewership is generally set up when a new rate plan code is negotiated. The authorized distribution channels are determined by the collection of destination codes in the Status Application Control.

8.13.1. Use Case 1*

8.13.1.1. Request: Hotel Rate Amount Notification

Joe is the man in charge of setting rates for his hotel (the Courtyard Atlanta Perimeter). He wants to increase the best available rate (rate plan code is “BARA00”) from \$90 to \$100 for April 1, 2005. The currency is USD. He does this in his Property Management System (PMS). The PMS uses the OTA_HotelRateAmountNotifRQ message to synchronize the rate also in the Central Reservation System (CRS).

OTA_HotelRateAmountNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRateAmountNotifRQ 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_HotelRateAmountNotifRQ.xsd"
  TimeStamp="2005-02-02T12:00:00" Target="Production" Version="1.002">
  <RateAmountMessages ChainCode="CY" HotelCode="ATLPE">
    <RateAmountMessage>
      <StatusApplicationControl Start="2005-04-01" End="2005-04-01"
        RatePlanCodeType="RatePlanCode" RatePlanCode="BARA00"
        InvCodeApplication="InvCode" InvCode="STD" />
      <Rates>
        <Rate RateTimeUnit="Day" Start="2005-04-01" End="2005-04-01"
          CurrencyCode="USD">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="100.00" />
          </BaseByGuestAmts>
        </Rate>
      </Rates>
    </RateAmountMessage>
  </RateAmountMessages>
</OTA_HotelRateAmountNotifRQ>
```

8.13.1.2. Response: Hotel Rate Amount Notification

The CRS returns an acknowledgement that the message was received without any errors or warnings.

OTA_HotelRateAmountNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRateAmountNotifRS 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_HotelRateAmountNotifRS.xsd"
  Version="1.000">
  <Success/>
</OTA_HotelRateAmountNotifRS>
```

8.14. OTA_HotelRatePlanNotifRQ/RS

The Hotel Rate Plan Notification message is used to notify a booking source of a new rate plan created for a hotel, or to modify and synchronize existing rate plans between systems.

When a hotel creates a new rate, whether that hotel is new or has been in operation for some period of time, the synchronization of rate plans can be a complicated process. A translation table may be required to identify the rate plan in one system with the same rate plan that is stored in another system. The Hotel Rate Plan Notification message is sent to a booking agent, indicating whether this is: 1) the initial announcement of a new rate plan, 2) an update of an active (bookable) rate plan, or 3) a notification that a rate plan is no longer in effect and should be deactivated in the booking agent's system.

With the creation of a new rate plan, a business process must also take place to ensure that the rate plan is populated up through the distribution system. New rate plans and group blocks are broadcast through authorized channels of distribution determined by negotiated business agreements.

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

When a hotel system sends out a status message to notify systems of the availability of a hotel, the StatusApplicationControl uses the rate plan codes that have been established by the Hotel Rate Plan Notification to determine which rate plans are available. The RatePlanCodeType indicates whether the rate plan(s) available are a single rate plan, or a grouping of rate plans.

The RatePlan Shoulders, Sellable Products and Viewerships contain a Reference Place Holder (RPH) element that can be used for indexing to identify a specific rate plan among a group of items of the same name.

The <OTA_HotelRatePlanNotifRS> returns a response to the Hotel Rate Plan Notification request message, indicating that the notification message was successfully processed, warnings from business processing rules or errors if the notification was not able to be processed.

Additionally, the response message may return the RatePlanCode(s) and /or Rate Plan Grouping Codes assigned to the rate plan by the receiving system in response to a new rate plan notification. These values would only be returned when the notification is of *RatePlanCodeType*= New and the sender is translating rate plan codes. If this is the case, the values sent in the RatePlanCode or RatePlanGroupingCode attributes could be empty, and in subsequent transactions for the inventory item, the sender would be able to populate the rate plan code with the value returned by the receiver.

8.14.1. Use Case 1 (TBD)

TBD

8.14.1.1. Request: Hotel Rate Plan Notification

TBD

OTA_HotelRatePlanNotifRQ.xml

TBD

8.14.1.2. Response: Hotel Rate Plan Notification

TBD

OTA_HotelRatePlanNotifRS.xml

TBD

8.15. OTA_HotelResModifyRQ/RS

The OTA_HotelResModifyRQ/RS message set handles the need for a full overlay of the reservation for the purpose of making a change to an existing booking.

The modify message can be sent independently or in conjunction with the OTA_HotelAvailRQ message, which was enhanced to allow a confirmation number to be sent in order to take into account the inventory being held by the existing reservation.

With this model, trading partner A may either send the OTA_HotelResModifyRQ message following the OTA_HotelAvailRQ/RS or independently send the modify message if confirmation of available inventory is not needed.

8.15.1. Use Case 1

The Razzmatazz Hotel has agreed to hold a block of rooms for Expedia. Due to this agreement, Expedia knows how many and at what rate they have rooms available at the Razzmatazz Hotel each night.

Crystal Tanner has a reservation at the Razzmatazz that she previously booked through Expedia.com. She is arriving on June 4th and departing on June 8th, 2003.

8.15.1.1. Request: Hotel Reservation Modify

Crystal Tanner requests to extend her reservation by one night through Expedia. Crystal has also decided that she would like to request a non-smoking room. Since Expedia holds inventory for the Razzmatazz there is no need to perform an availability check. Expedia verifies in their system that the room and rate are available, they then send the OTA_HotelResModifyRQ transaction to the Razzmatazz hotel to inform them of the update.

OTA_HotelResModify_RQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelResModifyRQ EchoToken="592" TimeStamp="2003-03-11T17:54:00-08:00" Target="Production"
Version="1.002" PrimaryLangID="en-us" 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_HotelResModifyRQ.xsd">
  <POS>
    <Source>
      <RequestorID Type="18" ID="Expedia.com"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Expedia</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelResModifies>
    <HotelResModify RoomStayReservation="true" CreateDateTime="2003-03-11T17:29:00-08:00"
CreatorID="Expedia">
      <UniqueID Type="14" ID="1312"/>
      <RoomStays>
        <RoomStay>
          <RoomTypes>
            <RoomType RoomTypeCode="A1K" IsRoom="true"/>
          </RoomTypes>
          <RatePlans>
            <RatePlan RatePlanCode="RAC" EffectiveDate="2003-06-04" ExpireDate="2003-06-
09"/>
          </RatePlans>
          <RoomRates>
            <RoomRate EffectiveDate="2003-06-04" ExpireDate="2003-06-09"
RoomTypeCode="A1K" NumberOfUnits="1" RatePlanCode="RAC">
              <Rates>
                <Rate EffectiveDate="2003-06-04" ExpireDate="2003-06-06"
RateTimeUnit="Day" UnitMultiplier="2">
                  <Base AmountBeforeTax="110" CurrencyCode="USD"/>
                </Rate>
                <Rate EffectiveDate="2003-06-06" ExpireDate="2003-06-07"
RateTimeUnit="Day" UnitMultiplier="1">
                  <Base AmountBeforeTax="180" CurrencyCode="USD"/>
                </Rate>
                <Rate EffectiveDate="2003-06-07" ExpireDate="2003-06-09"
RateTimeUnit="Day" UnitMultiplier="2">
                  <Base AmountBeforeTax="100" CurrencyCode="USD"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts IsPerRoom="true">
            <GuestCount AgeQualifyingCode="10" Count="1"/>
          </GuestCounts>
          <TimeSpan Start="2003-06-04" End="2003-06-09"/>
          <Total AmountAfterTax="550" CurrencyCode="USD">
            <Taxes Amount="50" CurrencyCode="usd">
              <Tax Type="Exclusive" Code="8" Amount="50" CurrencyCode="USD"/>
            </Taxes>
          </Total>
          <BasicPropertyInfo ChainCode="HX" BrandCode="DT" HotelCode="AXY772"/>
          <ResGuestRPHs>
            <ResGuestRPH RPH="1"/>
          </ResGuestRPHs>
          <SpecialRequests>
            <SpecialRequest Language="en-us" RequestCode="1.14">
              <Text Formatted="false" Language="en-us">1 king</Text>
            </SpecialRequest>
            <SpecialRequest Language="en-us" RequestCode="2.1">
              <Text Formatted="false" Language="en-us">Non-Smoking</Text>
            </SpecialRequest>
          </SpecialRequests>
        </RoomStay>
      </RoomStays>
    </HotelResModify>
  </HotelResModifies>
</OTA_HotelResModifyRQ>

```

```

<ResGuests>
  <ResGuest ResGuestRPH="1" AgeQualifyingCode="10">
    <Profiles>
      <ProfileInfo>
        <Profile ProfileType="1">
          <Customer>
            <PersonName>
              <GivenName>Crystal</GivenName>
              <MiddleName>Vanessa</MiddleName>
              <Surname>Tanner</Surname>
            </PersonName>
          </Customer>
        </Profile>
      </ProfileInfo>
    </Profiles>
  </ResGuest>
</ResGuests>
<ResGlobalInfo>
  <HotelReservationIDs>
    <HotelReservationID ResID_Type="8" ResID_Value="1312" ResID_Source="Expedia"
ResID_Date="2003-03-11T17:29:00-08:00"/>
  </HotelReservationIDs>
</ResGlobalInfo>
</HotelResModify>
</HotelResModifies>
</OTA_HotelResModifyRQ>

```

8.15.1.2. Response: Hotel Reservation Modify

The response comes back that the modification was successful.

OTA_HotelResModify_RS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelResModifyRS EchoToken="592" TimeStamp="2003-03-11T19:58:00-08:00" Target="Production"
Version="1.002" PrimaryLangID="en-us" ResResponseType="Modified"
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_HotelResModifyRS.xsd">
  <Success/>
  <HotelResModifies>
    <HotelResModify>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="8" ResID_Value="1312" ResID_Source="Expedia"
ResID_Date="2003-03-11T17:29:00-08:00"/>
          <HotelReservationID ResID_Type="3" ResID_Value="4757585"
ResID_Source="XXXCRS" ResID_Date="2003-03-11T19:45:00-08:00"/>
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelResModify>
  </HotelResModifies>
</OTA_HotelResModifyRS>

```

8.16. OTA_HotelResModifyNotifRQ/RS

The Hotel Reservation Modification Notification provides a request/response pair of messages to support the functionality of updating other systems with modified reservation data. The message set assumes a push model, with the sending system pushing the data to another system. The sending system would usually be a

booking source, such as a Global Distribution System (GDS), a Central Reservation System (CRS) or some other agent of the hotel.

The business model assumes that the sending system either has the authority to make the modification to the reservation, or is passing along a message from such a system. The message is a notification of a modification or cancellation to an existing reservation, and does not require the receiving system to confirm the modification, only the receipt of the message. The responding system may add its own data (such as its own confirmation ID) and include that data in the response message.

The sending system will send a report using the OTA_HotelResModifyNotifRQ message. The receiving system will acknowledge its receipt of that report using the OTA_HotelResModifyNotifRS message.

- OTA_HotelResModifyNotifRQ – Sends a modification of a reservation to another system. All the elements and attributes are optional, unless otherwise stated as required.
- OTA_HotelResModifyNotifRS – Returns acknowledgement that the modification to the reservation has been successfully received or includes warnings from business processing rules or errors if the request did not succeed. It may optionally include the updated reservation data.

8.16.1. Use Case 1*

8.16.1.1. Request: Hotel Reservation Modify Notification

David Dewberry previously booked a reservation for the JW Marriott in Washington, DC for the 18th of October for 2 nights. He booked his reservation through Travel Today, a third party site that maintains hotel inventory by hotel. The reservation can be booked by the customer without communication to the hotel system. Upon completion of the booking, Travel Today notifies the hotel system of the booking and requests a hotel confirmation number.

David's plans have changed, and he needs to extend his reservation by 1 night for a total stay of 3 nights. David would like to extend his room at the corporate rate which is the rate that has already been confirmed for the first 2 nights of his reservation. David is modifying his reservation through Travel Today. None of the other information in his reservation has changed.

David did an availability search to determine the additional night is available at the corporate rate. David is still arriving on October 18th, 2005, but is staying 3 nights. His information is as follows:

Mr. David Dewberry

321 Myrtle Lane

Latrobe, PA 15650

(724) 555-4321

david.dewberry@dewberrycorp.com

VS 411111111111202 exp 12/05

Room Requests: non-smoking, king bed

OTA_HotelResModifyNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelResModifyNotifRQ 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_HotelResModifyNotifRQ.xsd"
  EchoToken="602" TimeStamp="2005-01-26T13:05:00-05:00" Target="Production" Version="1.003"
  ResStatus="Commit">
  <POS>
    <Source>
      <RequestorID Type="13" ID="510"/>
      <!-- Type 13 = Internet broker from OTA code table UIT-->
      <BookingChannel Type="7" Primary="true">
        <!-- Type 7 = Internet from OTA code table BCT-->
        <CompanyName>Travel Today</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelResModifies>
    <HotelResModify>
      <RoomStays>
        <RoomStay>
          <RatePlans>
            <RatePlan RatePlanCode="CORA999"/>
          </RatePlans>
          <RoomRates>
            <RoomRate>
              <Rates>
                <Rate EffectiveDate="2005-10-18" ExpireDate="2005-10-21">
                  <Base AmountBeforeTax="280.00"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          <GuestCounts>
            <GuestCount Count="1"/>
          </GuestCounts>
          <Guarantee>
            <GuaranteesAccepted>
              <GuaranteeAccepted>
                <PaymentCard CardType="VS" CardNumber="411111111111202"
                  ExpireDate="1205">
                  <CardHolderName>David Dewberry</CardHolderName>
                </PaymentCard>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
          </Guarantee>
          <BasicPropertyInfo ChainCode="MC" HotelCode="WASJW" HotelName="JW Marriott
Hotel Pennsylvania Avenue"/>
          <Comments>
            <Comment>
              <Text>non-smoking Room requested;king bed</Text>
            </Comment>
          </Comments>
        </RoomStay>
      </RoomStays>
    </HotelResModify>
  </HotelResModifies>
</OTA_HotelResModifyNotifRQ>
```

```

    <ResGuests>
      <ResGuest>
        <Profiles>
          <ProfileInfo>
            <Profile ProfileType="1">
              <!-- Profile Type 1 = Customer from OTA code table PRT -->
              <Customer>
                <PersonName>
                  <NamePrefix>Mr.</NamePrefix>
                  <GivenName>David</GivenName>
                  <Surname>Dewberry</Surname>
                </PersonName>
                <Telephone PhoneNumber="7245554321" PhoneTechType="1"/>
                <!-- Phone Tech Type 1 = Voice from OTA code table BTT -->
                <Email>david.dewberry@dewberrycorp.com</Email>
                <Address>
                  <AddressLine>321 Myrtle Lane</AddressLine>
                  <CityName>Latrobe</CityName>
                  <PostalCode>15650</PostalCode>
                  <StateProv>PA</StateProv>
                  <CountryName>USA</CountryName>
                </Address>
              </Customer>
            </Profile>
          </Profiles>
        </ResGuest>
      </ResGuests>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="13" ResID_Value="7865" ResID_Source="Travel
Today"/>
          <!-- Res ID Type 13 = Internet broker from OTA code table UIT -->
          <HotelReservationID ResID_Type="14" ResID_Value="82329987"
ResID_Source="Marriott"/>
          <!-- Res ID Type 14 = Reservation from OTA code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
      <TPA_Extensions/>
      <Verification>
        <PersonName>
          <Surname>Dewberry</Surname>
        </PersonName>
        <PaymentCard CardNumber="4111111111111202"/>
        <TPA_Extensions/>
      </Verification>
    </HotelResModify>
  </HotelResModifies>
</OTA_HotelResModifyNotifRQ>

```

8.16.1.2. Response: Hotel Reservation Modify Notification

Marriott's system uses the surname and credit card number for verification and responds with a "success" message and echoes back the original Marriott confirmation number to Travel Today.

OTA_HotelResModifyNotifRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelResModifyNotifRS 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_HotelResModifyNotifRS.xsd"

```



```

EchoToken="602" TimeStamp="2005-01-26T13:05:02-05:00" Target="Production" Version="1.002"
ResResponseType="Committed">
  <Success/>
  <HotelResModifies>
    <HotelResModify>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="13" ResID_Value="7865" ResID_Source="Travel
Today"/>
          <!-- Res ID Type 13 = Internet broker from OTA code table UIT -->
          <HotelReservationID ResID_Type="14" ResID_Value="82329987"
ResID_Source="Marriott"/>
          <!-- Res ID Type 14 = Reservation from OTA code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelResModify>
  </HotelResModifies>
</OTA_HotelResModifyNotifRS>

```

8.17.OTA_HotelResNotifRQ/RS

The Hotel Reservation Notification provides a request/response pair of messages to support the functionality of updating other systems with reservation data. The message set assumes a push model, with the sending system pushing the data to another system. The sending system would usually be a booking source, such as a Global Distribution System (GDS), a Central Reservation System (CRS) or some other agent of the hotel.

The business model assumes that the sending system either has the authority to take a reservation, or is passing along a message from such a system. The message is a notification of the creation or a modification, or cancellation before that reservation has been ended, and does not require the receiving system to confirm the booking, only the receipt of the message. The responding system may add its own data (such as its own confirmation ID) and include that data in the response message.

The sending system will send a report using the OTA_HotelResNotifRQ message. The receiving system will acknowledge its receipt of that report using the OTA_HotelResNotifRS message.

- **OTA_HotelResNotifRQ**—Sends a reservation to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_HotelResNotifRS**—Returns acknowledgement that the reservation has been successfully received or includes warnings from business processing rules or errors if the request did not succeed. It may optionally include the updated reservation data.

8.17.1. Use Case 1*

8.17.1.1. Request: Hotel Reservation Notification

David Dewberry is traveling to Washington, DC on business and has decided to book his hotel reservation online. David chose to book his reservation through Travel Today, a third party site that maintains hotel inventory by hotel. The reservation can be booked by the customer without communication to the hotel system. Upon completion of the booking, Travel Today notifies the hotel system of the booking and requests a hotel confirmation number.

David did an availability search to determine which hotel he would like to book. He found that the JW Marriott has rooms available at their corporate rate and has decided to book that rate. David is arriving on October 18th, 2005 and is staying 2 nights. His information is as follows:

Mr. David Dewberry

321 Myrtle Lane

Latrobe, PA 15650

(724) 555-4321

david.dewberry@dewberrycorp.com

VS 411111111111202 exp 12/05

Room Requests: non-smoking, king bed

OTA_HotelResNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<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" EchoToken="354"
  Timestamp="2005-01-26T10:22:00-05:00" Target="Production" Version="1.003" ResStatus="Commit">
  <POS>
    <Source>
      <RequestorID Type="13" ID="473"/>
      <!-- Type 13 = Internet broker from OTA code table UIT-->
      <BookingChannel Type="7" Primary="true">
        <!-- Type 7 = Internet from OTA code table BCT-->
        <CompanyName>Travel Today</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelReservations>
    <HotelReservation>
      <RoomStays>
        <RoomStay>
          <RatePlans>
            <RatePlan RatePlanCode="CORA999">
              </RatePlan>
            </RatePlans>
            <RoomRates>
              <RoomRate>
                <Rates>
```

```

        <Rate EffectiveDate="2005-10-18" ExpireDate="2005-10-20">
            <Base AmountBeforeTax="280.00"/>
        </Rate>
    </Rates>
</RoomRate>
</RoomRates>
<GuestCounts>
    <GuestCount Count="1"/>
</GuestCounts>
<TimeSpan Start="2005-10-18" End="2005-10-20"/>
<Guarantee>
    <GuaranteesAccepted>
        <GuaranteeAccepted>
            <PaymentCard CardType="VS" CardNumber="4111111111111202"
ExpireDate="1205">
                <CardHolderName>David Dewberry</CardHolderName>
            </PaymentCard>
        </GuaranteeAccepted>
    </GuaranteesAccepted>
</Guarantee>
<BasicPropertyInfo ChainCode="MC" HotelCode="WASJW" HotelName="JW Marriott
Hotel Pennsylvania Avenue"/>
    <Comments>
        <Comment>
            <Text>non-smoking Room requested;king bed</Text>
        </Comment>
    </Comments>
</RoomStay>
</RoomStays>
<ResGuests>
    <ResGuest>
        <Profiles>
            <ProfileInfo>
                <Profile ProfileType="1">
                    <Customer>
                        <PersonName>
                            <NamePrefix>Mr.</NamePrefix>
                            <GivenName>David</GivenName>
                            <Surname>Dewberry</Surname>
                        </PersonName>
                        <Telephone PhoneNumber="7245554321" PhoneTechType="1"/>
                        <!-- Phone Tech Type 1 = Voice from OTA code table BTT -->
                        <Email>david.dewberry@dewberriercorp.com</Email>
                        <Address>
                            <AddressLine>321 Myrtle Lane</AddressLine>
                            <CityName>Latrobe</CityName>
                            <PostalCode>15650</PostalCode>
                            <StateProv>PA</StateProv>
                            <CountryName>USA</CountryName>
                        </Address>
                    </Customer>
                </Profile>
            </ProfileInfo>
        </Profiles>
    </ResGuest>
</ResGuests>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Type="13" ResID_Value="7865" ResID_Source="Travel
Today"/>
        <!-- Res ID Type 13 = Internet broker from OTA code table UIT -->
    </HotelReservationIDs>
</ResGlobalInfo>
    <TPA_Extensions/>
</HotelReservation>
</HotelReservations>

```

</OTA_HotelResNotifRQ>

8.17.1.2. Response: Hotel Reservation Notification

The system responds with a Marriott generated confirmation number.

OTA_HotelResNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<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="354"
TimeStamp="2005-01-26T10:22:02-05:00" Target="Production" Version="1.003"
ResResponseType="Committed">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="13" ResID_Value="7865" ResID_Source="Travel
Today"/>
          <!-- Res ID Type 13 = Internet broker from OTA code table UIT -->
          <HotelReservationID ResID_Type="14" ResID_Value="82329987"
ResID_Source="Marriott"/>
          <!-- Res ID Type 14 = Reservation from OTA code table UIT -->
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRS>
```

8.18. OTA_HotelResRQ/RS

The Hotel Reservation Request message is used to send a request from one booking source to another booking source requesting a hotel reservation. Typically the Hotel Reservation Request message would be used by a Central Reservation System (CRS), Global Distribution System (GDS), Internet booker, or other travel service provider that does not have the authority to book a reservation directly, but must determine the status of a property prior to booking a reservation. In the travel industry, allotments of inventory become difficult to manage if dispersed to multiple parties, so the control of inventory is usually held by the hotel property or the Central Reservation Office (CRO) of the hotel chain.

The Hotel Reservation Request message is often preceded by an Availability Request message. Upon querying the system that holds the inventory and learning that inventory is available at a chosen hotel property, the request is sent to book the hotel services. The Hotel Availability Request/Response messages do not hold inventory when the response of availability is returned. The availability query response only provides a snapshot at the time that the request is made. Depending upon the time between determining availability and sending the request to book a reservation, it cannot be assumed that a booking request will be approved.

There is not a requirement to determine availability prior to sending a reservation request. Travel agencies or individual guests may send a request to book a reservation from an Internet site if all the information required for booking is known. The OTA_HotelResRQ message can initiate the first message in the sequence of booking a reservation.

- **OTA_HotelResRQ**—Sends a request for a reservation to another system. All the elements and attributes that constitute the reservation that are known are sent with the request.
- **OTA_HotelResRS**—Returns confirmation that the reservation has been successfully booked, and includes a confirmation or reservation number to identify the reservation. Warnings from business processing rules or errors are returned if the request did not succeed. It may optionally include the updated reservation data.

The message conversation may involve several request/response pairs before the final reservation is booked. During the process, a reservation can be rolled back or cancelled until the point at which the reservation is committed. In the seamless environment, the reservation system makes a commitment at an interim point but must retract that commitment if the reservation is not completed. For reservations that carry deposit penalties, refund penalties, or are non-cancelable, an interim commitment cannot be made.

The reservation request is an atomic request that can either be approved or denied depending on the status of the hotel inventory or whatever other business reasons that the hotel might have for declining the request.

The first three enumerations of the ResRequestType attribute: 1) Initiate, 2) Ignore, 3) Modify, indicate a tentative message and are used before a commitment is made or a reservation contractually incurred. The purpose of the Modify attribute is to change what is being requested. It does not modify an already confirmed booking. A cancellation cannot be made, and no cancellation penalties can be applied, until a message indicating a Commit has taken place. It is incumbent on the receiving system to periodically clean up tentative transactions, particularly in cases where the Ignore is never successfully received.

Once the Commit is specified and a ConfirmationID and/or ReservationID returned in the Reservation Booking Response message, a reservation exists from that point forward. A Committed reservation requires a new message request be initiated in order to change the reservation. By starting with the confirmation number or ReservationID of the existing reservation, the current reservation has been identified.

When a system requests a new tentative reservation that modifies a confirmed reservation, it would not want to cancel the original commitment before being able to confirm the change. The requesting system would need to retain the original reservation while making changes, and the receiving system would be tasked to process the modification request according to business rules.

8.18.1. Use Case 1*

8.18.1.1. Request: Hotel Reservation

Charlotte Costello is traveling to Denver on business and has decided to book her hotel reservation online. Charlotte did an availability search to determine which hotel she would like to book. She found that the Denver Marriott West has rooms available at their corporate rate and has decided to book that rate. Charlotte is arriving on August 10th, 2005 and is staying 2 nights. Her information is as follows:

Ms. Charlotte Costello

123 Locust St.

Hyndman, PA 15545

(814) 555-6123

charlotte.costello@corp.com

VS 411111111111202 exp 05/06

Room Requests: non-smoking, king bed

OTA_HotelResRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<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">
  <POS>
    <Source ISOCurrency="USD"/>
  </POS>
  <HotelReservations>
    <HotelReservation>
      <RoomStays>
        <RoomStay>
          <RoomTypes>
            <RoomType NumberOfUnits="1"/>
          </RoomTypes>
          <RatePlans>
            <RatePlan RatePlanCode="CORA999"/>
          </RatePlans>
          <GuestCounts>
            <GuestCount AgeQualifyingCode="10" Count="1"/>
            <!-- Age Qualifying Code 10 = adult from OTA code table AQC-->
          </GuestCounts>
          <TimeSpan End="2005-08-12" Start="2005-08-10"/>
          <Guarantee>
            <GuaranteesAccepted>
              <GuaranteeAccepted>
                <PaymentCard CardCode="VS" CardNumber="411111111111202"
                  ExpireDate="0506">
                  <CardHolderName>Costello</CardHolderName>
                </PaymentCard>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
          </Guarantee>
        </RoomStay>
      </RoomStays>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResRQ>
```

```

        </GuaranteesAccepted>
      </Guarantee>
      <BasicPropertyInfo ChainCode="MC" HotelCode="DENWE"/>
      <Comments>
        <Comment>
          <Text>non-smoking room requested;king bed</Text>
        </Comment>
      </Comments>
    </RoomStay>
  </RoomStays>
  <ResGuests>
    <ResGuest>
      <Profiles>
        <ProfileInfo>
          <Profile ProfileType="1">
            <!-- Profile Type 1 = customer from OTA code table PRT -->
            <Customer>
              <PersonName>
                <NamePrefix>Ms.</NamePrefix>
                <GivenName>Charlotte</GivenName>
                <Surname>Costello</Surname>
              </PersonName>
              <Telephone PhoneNumber="8145556123" PhoneTechType="1"/>
              <!-- Phone Tech Type 1 = voice from OTA code table PTT -->
              <Email>charlotte.costello@corp.com</Email>
              <Address>
                <AddressLine>123 Locust St.</AddressLine>
                <CityName>Hyndman</CityName>
                <PostalCode>15545</PostalCode>
                <StateProv>PA</StateProv>
                <CountryName>USA</CountryName>
              </Address>
            </Customer>
          </Profile>
        </ProfileInfo>
      </Profiles>
    </ResGuest>
  </ResGuests>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRQ>

```

8.18.1.2. Response: Hotel Reservation

The system responds with the rate, rate description, cancellation policy, and confirmation number.

OTA_HotelResRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<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">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <RoomStays>
        <RoomStay>
          <RatePlans>
            <RatePlan RatePlanCode="CORA999">
              <CancelPenalties>
                <CancelPenalty>

```

```

        <PenaltyDescription>
        <Text> 1 NTS RM & TX CXL PENALTY -AS FIRST NIGHT
PAYMENT CANCELLATION PERMITTED UP TO 1DAYS BEFORE ARRIVAL</Text>
        </PenaltyDescription>
    </CancelPenalty>
</CancelPenalties>
</RatePlan>
</RatePlans>
<RoomRates>
    <RoomRate>
        <Rates>
            <Rate EffectiveDate="2005-08-10" ExpireDate="2005-08-12">
                <Base AmountBeforeTax="100.00"/>
                <RateDescription>
                    <Text>CORPORATE RATE * SUPERIOR ROOM (1 KING OR 2
SINGLE BEDS) INCLUDING DAILY BREAKFAST * RATE EXCLUDES 15 PCT TAX/SVC CHG</Text>
                </RateDescription>
            </Rate>
        </Rates>
    </RoomRate>
</RoomRates>
</RoomStay>
</RoomStays>
<ResGlobalInfo>
    <HotelReservationIDs>
        <HotelReservationID ResID_Value="86048384"/>
    </HotelReservationIDs>
</ResGlobalInfo>
</HotelReservation>
</HotelReservations>
</OTA_HotelResRS>

```

8.19.OTA_HotelRFP_MeetingRQ/RS

The Request and Response RFP/RFI (requests for proposals/ requests for information) Messages expand on the hotel message sets, to further automate a large section of hotel responses to information. For example, an RFP/RFI is generally sent from a customer, agency, corporation, etc. to the sales team within a hotel(s) or national/regional office(s), who must then manually reply to the message(s) in various ways, such as phone, fax, email, etc. This new RFP/RFI request/response message replaces the inconsistent and highly manual effort of sending the requests and the acknowledgment of receiving the request. This request/response message set is designed for Group and Meeting RFP/RFI.

8.19.1. Use Case 1

8.19.1.1. Request: Simple Request for Proposal

Julie Clark's son's soccer team, Houston Astros Soccer Club, has a soccer tournament in Dallas, TX on October 10 – 12, 2003. The team needs 15 rooms for 2 nights in Dallas, TX. Julie typically stays with Hilton Hotels on business travel and is a Hilton HHonors member (number 528126539). Julie decides to go on-line to www.hiltondirect.com in order to request the price for the rooms.

Julie fills out her contact information and room requirements, and then submits an on-line request for proposal to several Hilton hotels in the Dallas, TX area.

HiltonDirect.com's lead management functionality is powered by Plansoft, whose meeting planner site is www.mpoint.com.

Contact Information:

Julie Clark
785 Walnut Lane
Houston, TX 77571
Phone: 281-771-6846
Fax: 281-771-8541
Email: Julie_Clark@att.net

Group Information:

Group Name: Houston Astros Soccer Club
Dates: October 10 –12, 2003
Decision Date: April 10, 2003

Number of People: 5 adults and 20 children

Room Information:

5 single rooms and 10 rooms with two beds. Budgeted room rate of \$85 to \$110 per rooms per night.

Comments:

All rooms on the same floor level. All charges to one bill.

Hotel Information:

Doubletree Hotel Dallas-Lincoln Centre near the Galleria

5410 LBJ Freeway
Dallas, TX 75240
United States of America
(972) 934-8400 - main phone
(972) 701-5244 - main fax
(972) 701-5127 - sales phone
(972) 701-5137 - sales fax

Hilton DFW Lakes Executive Conference Center

800 Highway 26 East
Grapevine, TX 76051
United States of America
(817) 481-8444 - main phone
(817) 481-3160 - main fax
(817) 410-6772 - sales phone
(817) 481-3146 - sales fax

Embassy Suites Hotel Dallas - Market Center

2727 Stemmons Freeway
Dallas, TX 75207
United States of America

(214) 630-5332 - main phone
(214) 631-3025 - main fax
(214) 630-5332 - sales phone
(214) 631-3025 - sales fax

Julie Clark sends an online request for a proposal for her son's soccer tournament in Dallas to the hotels.

OTA_HotelRFP_MeetingRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingRQ EchoToken="183529" TimeStamp="2003-12-17T09:30:47-05:00"
Target="Production" Version="1.000" SequenceNmbr="1" PrimaryLangID="en-us" AltLangID="en-us"
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_HotelRFP_MeetingRQ.xsd">
  <RFP_RequestSegments AttendeeQuantity="25" ResponseDue="2003-04-10" DecisionDue="2003-04-
10" ResponseFormat="2" ResponseLanguage="en-us">
    <RFP_RequestSegment>
      <Profiles>
        <ProfileInfo>
          <UniqueID URL="http://www.hiltondirect.com" Type="1" ID="123456"/>
            <Profile ProfileType="1">
              <Customer Gender="Female">
                <PersonName>
                  <GivenName>Julie</GivenName>
                  <Surname>Clark</Surname>
                </PersonName>
                <Telephone CountryAccessCode="1" AreaCityCode="281" PhoneNumber="771-
6846" PhoneUseType="3"/>
                <Email>Julie_Clark@att.net</Email>
                <Address UseType="2">
                  <AddressLine>785 Walnut Lane</AddressLine>
                  <CityName>Houston</CityName>
                  <PostalCode>77571</PostalCode>
                  <StateProv StateCode="TX">Texas</StateProv>
                  <CountryName Code="US">United States of America</CountryName>
                </Address>
              </Customer>
            </Profile>
          </ProfileInfo>
        </Profiles>
        <Dates>
          <Date Start="2003-10-10" End="2003-10-12" DateType="Primary"/>
        </Dates>
        <Sites>
          <Site ChainCode="Hilton" BrandCode="DT" HotelCode="16023" HotelName="Doubletree
Hotel Dallas-Lincoln Centre near the Galleria" ChainName="Doubletree Hotels" BrandName="Hilton Hotels">
            <ContactInfos>
              <ContactInfo ContactType="Primary">
                <Telephone CountryAccessCode="1" AreaCityCode="972" PhoneNumber="934-
8400" PhoneUseType="5"/>
                <Address FormattedInd="false" Type="2" UseType="6">
                  <AddressLine>5410 LBJ Freeway</AddressLine>
                  <CityName>Dallas</CityName>
                  <PostalCode>75240</PostalCode>
                  <StateProv StateCode="TX">Texas</StateProv>
                  <CountryName Code="US">United States of America</CountryName>
                </Address>
              </ContactInfo>
            </ContactInfos>
          </Site>
        </Sites>
      </RFP_RequestSegment>
    </RFP_RequestSegments>
  </OTA_HotelRFP_MeetingRQ>
</OTA_HotelRFP_MeetingRQ>
```

```

</Site>
<Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16024" HotelName="Hilton DFW
Lakes Executive Conference Center" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
  <ContactInfos>
    <ContactInfo ContactType="Primary">
      <Telephone CountryAccessCode="1" AreaCityCode="972" PhoneNumber="934-
8400" PhoneUseType="5"/>
      <Address FormattedInd="false" Type="2" UseType="6">
        <AddressLine>800 Highway 26 East</AddressLine>
        <CityName>Grapevine</CityName>
        <PostalCode>76051</PostalCode>
        <StateProv StateCode="TX">Texas</StateProv>
        <CountryName Code="US">United States of America</CountryName>
      </Address>
    </ContactInfo>
  </ContactInfos>
</Site>
<Site ChainCode="Hilton" BrandCode="ES" HotelCode="16025" HotelName="Embassy
Suites Hotel Dallas - Market Center" ChainName="Embassy Suites" BrandName="Hilton Hotels">
  <ContactInfos>
    <ContactInfo ContactType="Primary">
      <Telephone CountryAccessCode="1" AreaCityCode="214" PhoneNumber="630-
5332 " PhoneUseType="5"/>
      <Address FormattedInd="false" Type="2" UseType="6">
        <AddressLine>2727 Stemmons Freeway </AddressLine>
        <CityName>Dallas</CityName>
        <PostalCode>75207 </PostalCode>
        <StateProv StateCode="TX">Texas</StateProv>
        <CountryName Code="US">United States of America</CountryName>
      </Address>
    </ContactInfo>
  </ContactInfos>
</Site>
</Sites>
<RoomBlock>
  <BudgetedRoomRate Amount="110.00" CurrencyCode="USD" DecimalPlaces="2"/>
  <StayDays FirstStayDayOfWeek="Fri">
    <StayDay DayNumber="1">
      <StayDayRooms>
        <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="5"/>
        <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="10">
      </StayDayRoom>
    </StayDayRooms>
  </StayDay>
  <StayDay DayNumber="2">
    <StayDayRooms>
      <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="5"/>
      <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="10">
    </StayDayRoom>
  </StayDayRooms>
</StayDay>
</StayDays>
</RoomBlock>
<Comments ParagraphNumber="1" Language="en-us">
  <Text Formatted="1" Language="en-us">Hilton HHonors member 528126539 All rooms on
the same floor level. All charges to one bill. </Text>
</Comments>
  <RFP_ID URL="http://www.mpoint.com" Type="13" ID="102230"/>
</RFP_RequestSegment>
</RFP_RequestSegments>
  <MessageID URL="http://www.mpoint.com" Type="13" ID="12345">
    <CompanyName CompanyShortName="Houston Astros Soccer Club">
  </CompanyName>
</MessageID>

```

</OTA_HotelRFP_MeetingRQ>

8.19.1.2. Response: Receipt acknowledgement

A response message comes back acknowledging receipt and saying details will be sent within 48 hours.

OTA_HotelRFP_MeetingRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingRS 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_HotelRFP_MeetingRS.xsd" Version="1.000">
  <Success/>
  <RFP_Response>
    <RFP_ResponseSegments>
      <RFP_ResponseSegment>
        <Sites>
          <Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16024" HotelName="Hilton
            DFW Lakes Executive Conference Center" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
            <ResponseType DetailIncludedIndicator="false" ResponseMethod="11"
              MinimumTime="P0Y0M1DT0H00M" MaximumTime="P0Y0M2DT0H00M" ResponseTimeUnit="business
              day"/>
            <SiteID Type="10" ID="99445"/>
          </Site>
        </Sites>
        <RFP_ID URL="http://www.mpoint.com" Type="13" ID="102230">
          <CompanyName>Houston Astros Soccer Club</CompanyName>
        </RFP_ID>
      </RFP_ResponseSegment>
    </RFP_ResponseSegments>
    <MessageID URL="http://www.mpoint.com" Type="13" ID="12345"/>
  </RFP_Response>
</OTA_HotelRFP_MeetingRS>
```

8.19.2. Use Case 2

8.19.2.1. Request: Complex Request for Proposal

Kellie Thompson works for a third party meeting planner agency. She is planning the third Annual Sales Incentive Meeting for a corporation such as IBM or Intel. Her primary contact at the corporation is John Hewitt.

Kellie will submit an RFP from a PlanSoft powered web site such as mpoint. This meeting needs to take place in September 2003 with an alternate being October 2003. Kellie requires responses from hotels by April 1, 2003. She must make a decision on which hotel to choose April 10, 2003.

John Hewitt has certain requirements for this meeting. They have had this meeting in the past and he has lots of historical data at his disposal. The meeting is an incentive based meeting for the top 20 sales people. This meeting will be a 2-day business meeting followed by a weekend get away for the sales people and their families.

Kellie is expecting all 20 salespeople to attend. She also expects 5 additional sales people to attend as well as 2 executive committee members. Including

Kellie and her assistant this brings the total to 30 people. She is also expecting approximately 50 family members to arrive for the weekend staying in the existing rooms allocated to the salespeople. She has the following room requirements:

	Singles	Doubles	Double/Doubles	Suites
Day 1	3	4	20	3
Day 2	3	4	20	3
Day 3	3	4	20	3
Day 4	3	4	20	3

Two of the Double/Double rooms require a crib.

Kellie would like to receive a full contract back along with a sales kit. The sales kit should include a menu as well as information about the local attractions.

This meeting has been very popular in the past. Last year's meeting, the 2nd Annual Sales Incentive Meeting, produced the following historical data:

Location: Sacramento

Hilton Sacramento Arden West

2200 Harvard St

Sacramento, CA 95815

United States of America

Dates: 9/10/2002 – 9/14/2002

	Room Block	Final Room Pickup	Total Guest Room Expense	Food & Beverage	Meeting Room Rental	Audio Visual	# of Attendees
Day 1	35	31	\$5859.00	\$2854.00	\$2000.00	\$125	31
Day 2	35	31	\$5859.00	\$2854.00	\$2000.00	\$150	31
Day 3	35	31	\$5859.00	\$8566.00	\$2000.00	\$350	74
Day 4	35	31	\$5859.00	\$8566.00	\$2000.00	\$350	74

Kellie will be submitting her RFP to the following Hotels in San Diego:

San Diego Marriott Hotel & Marina

333 West Harbor Drive

San Diego, CA 92101

United States of America

Mr. Rick Outcalt

Director of Sales

Phone: (619) 230-8314

Fax: (619) 230-8328

Email: rick.outcalt@marriott.com

Sheraton San Diego Hotel & Marina

1380 Harbor Island Drive

San Diego, CA 92101
United States of America
Gary Spencer
Director of Sales & Marketing
Phone: (619) 692-2266
Fax: (619) 692-2363
Email: gary.spencer@sheraton.com

Hilton San Diego Resort
1775 East Mission Bay Drive
San Diego, CA 92109
United States of America
Jane Bucks
Director of Sales
Phone: (619) 275-8910 Fax: (619) 275-7992
Email: jane_bucks@hilton.com

Hotel - Hyatt Regency Islandia Hotel & Marina
1441 Quivira Road
San Diego, CA 92109
United States of America
Sidney Hunter
Director of Sales
Phone: (619) 221-4840
Fax: (619) 221-4841
Email: shunter@sanispo.hyatt.com

San Diego Marriott La Jolla
4240 La Jolla Village Drive
La Jolla, CA 92037
United States of America
Dave Foster
Director of Sales
Phone: (858) 597-6353
Fax: (858) 457-5153
Email: david.t.foster@marriott.com

Radisson Hotel San Diego
1433 Camino Del Rio South
San Diego, CA 92108
United States of America
Peggy Johnson
Director of Sales & Marketing
Phone: (619) 260-6592
Fax: (619) 497-0808
Email: peggy.johnson@ihrc.com

Marriott Coronado Island
2000 Second Street

Coronado, CA 92118
United States of America
Rick Outcalt
Director of Sales
Phone: (619) 230-8314
Fax: (619) 522-3068
Email: rick.outcalt@marriott.com

La Casa del Zorro Desert Resort
3845 Yaqui Pass Road
Borrego Springs, CA 92004
United States of America
Phyllis Fetter
Director of Sales
Phone: (888) 336-9336
Fax: (760) 767-4782
Email: phyllis.fetter@lacasadeszorro.com

Four Seasons Resort Aviara
7100 Four Seasons Point
Carlsbad, CA 92009
United States of America
Nance Trevithick
Director of Sales
Phone: (760) 603-6800
Fax: (760) 603-6822
Email: nance.trevithick@fourseasons.com

Kellie would also like to send this request to her national sales contact for Hilton and Marriott. Respectively those contacts are:

Hilton Hotels: Tiffany Bracken
National Sales Officer
4835 LBJ Freeway, Suite 535
Dallas, TX 75244
United States of America
Phone: (972) 701-3724
Fax: (972) 701-3788
tiffany_bracken@hilton.com

Marriott Hotels: Eric Marriott
Global Sales Director
One Marriott Drive,
Washington DC, 20058,
United States of America
Phone: (301) 380-3000
Fax: (555) 678-9999
Emarriott@marriott.com

The meeting will have the following agenda:

Day 1:

Time	Name	# of People	Sq. Ft.	Setup	24 Hold	Notes/ Instructions
8:00 – 9:00	Breakfast	30	365	Banquet	No	All American breakfast; 4 Vegetarians
9:00 – 10:30	General Session	24	975	Conference	Yes	
10:30 – 10:45	Break	30	285	Reception	No	Coffee; Soda; Danish, doughnuts
10:45 – 12:00	General Session continued	24	975	Conference	Yes	
12:00 – 1:00	Lunch	30	365	Banquet	No	Box Lunch with choices for Turkey, Roast Beef and Chicken sandwiches
1:00 – 3:15	FY 2003 Sales Review	24	975	Conference	Yes	
3:15 – 3:30	Break	30	285	Reception	No	Coffee; Soda; Cookies; etc..
3:30 – 5:00	FY 2004 Sales Goals	24	975	Conference	Yes	
6:00 – 8:00	Dinner	30	365	Banquet	No	

Day 2:

Time	Name	# of People	Sq. Ft.	Setup	24 Hold	Notes/ Instructions
8:00 – 9:00	Breakfast	30	365	Banquet	No	All American breakfast; 4 Vegetarians
9:00 – 10:30	2004 Planning Session	24	975	Conference	Yes	
10:30 – 10:45	Break	30	285	Reception	No	Coffee; Soda; Danish, doughnuts
10:45 – 12:00	2004 Planning Session continued	24	975	Conference	Yes	
12:00 – 1:00	Lunch	30	365	Banquet	No	Box Lunch with choices for Turkey, Roast Beef and

						Chicken sandwiches
1:00 – 3:15	Establish 2004 Sales Goals	24	975	Conference	Yes	
3:15 – 3:30	Break	30	285	Reception	No	Coffee; Soda: Cookies; etc..
3:30 – 5:00	2004 Sales Goals continued	24	975	Conference	Yes	
6:00 – 8:00	Dinner	30	365	Banquet	No	

Day 3: - Families Arrive

Time	Name	# of People	Sq. Ft.	Setup	24 Hold	Notes/ Instructions
8:00 – 9:00	Breakfast	80	963	Banquet	No	All American breakfast; 4 Vegetarians
12:00 – 1:00	Lunch	80	963	Banquet	No	Box Lunch with choices for Turkey, Roast Beef and Chicken sandwiches
6:00 – 8:00	Dinner		963	Banquet	No	
8:00 – 10:00	Awards Ceremony	80	963	Banquet	No	

Day 4:

Time	Name	# of People	Sq. Ft.	Setup	24 Hold	Notes/ Instructions
8:00 – 9:00	Breakfast	80	963	Banquet	No	All American breakfast; 4 Vegetarians
12:00 – 1:00	Lunch	80	963	Banquet	No	Box Lunch with choices for Turkey, Roast Beef and Chicken sandwiches
6:00 – 8:00	Dinner		963	Banquet	No	
8:00 – 10:00	Awards Ceremony	80	963	Banquet	No	

Kellie Thompson submits a request for a proposal to the multiple hotels, with details about the meeting.

OTA_HotelRFP_MeetingRQ2.xml

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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_HotelRFP_MeetingRQ.xsd">
  <RFP_RequestSegments AttendeeQuantity="80" ResponseDue="2003-04-01" DecisionDue="2003-04-
10" ResponseFormat="2" ResponseLanguage="en-us">
    <RFP_RequestSegment>
      <Profiles>
        <ProfileInfo>
          <UniquelD URL="http://www.mpoint.com" Type="1" ID="654321">
            </UniquelD>
          <Profile ProfileType="1">
            <Customer Gender="Male" BirthDate="1967-08-13" CurrencyCode="aaa"
DecimalPlaces="1">
              <PersonName>
                <GivenName>John</GivenName>
                <Surname>Hewitt</Surname>
              </PersonName>
              <Telephone CountryAccessCode="1" AreaCityCode="330" PhoneNumber="405-
9238" PhoneUseType="5"/>
              <Email>jhewitt@plansoft.com</Email>
              <Address UseType="2">
                <AddressLine>8085 Darrow Rd</AddressLine>
                <CityName>Twinsburg</CityName>
                <PostalCode>44087</PostalCode>
                <StateProv StateCode="OH">Ohio</StateProv>
                <CountryName Code="US">United States of America</CountryName>
              </Address>
            </Customer>
            <CompanyInfo>
              <CompanyName CompanyShortName="3rd Party Planning Agency"/>
              <AddressInfo UseType="2">
                <BldgRoom>Suite 400-W</BldgRoom>
                <AddressLine>5001 Spring Valley</AddressLine>
                <CityName>Dallas</CityName>
                <PostalCode>75244</PostalCode>
                <StateProv StateCode="TX">Texas</StateProv>
                <CountryName Code="US">United States of America</CountryName>
              </AddressInfo>
              <TelephoneInfo CountryAccessCode="1" AreaCityCode="972"
PhoneNumber="383-2709" PhoneUseType="5"/>
              <Email>kellie_thompson@hilton.com</Email>
            </CompanyInfo>
          </Profile>
        </ProfileInfo>
      </Profiles>
      <Dates>
        <Date Start="2003-09-04" End="2003-09-08" DateType="Primary">
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Diego Marriott Hotel and Marina" ChainName="Marriott Corporation" BrandName="Marriott">
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            <ContactInfo ContactType="Primary">
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    <PersonName>
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    <Email>rick.outcalt@marriott.com</Email>
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      <GivenName>Eric</GivenName>
      <Surname>Marriott</Surname>
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      <StateProv StateCode="DC">District of Columbia</StateProv>
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        <Surname>Spencer</Surname>
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      </PersonName>
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2266" PhoneUseType="5"/>
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        <PostalCode>92101</PostalCode>
        <StateProv StateCode="CA">California</StateProv>
        <CountryName Code="US">United States of America</CountryName>
      </Address>
      <Email>gary.spencer@sheraton.com</Email>
    </ContactInfo>
  </ContactInfos>
</Site>
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Diego Resort" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
  <ContactInfos>
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      <PersonName>
        <NamePrefix>Ms.</NamePrefix>

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        <GivenName>Jane</GivenName>
        <Surname>Bucks</Surname>
        <NameTitle>Director</NameTitle>
    </PersonName>
    <Telephone CountryAccessCode="1" AreaCityCode="619" PhoneNumber="275-
8910" PhoneUseType="5"/>
    <Address FormattedInd="false" Type="2" UseType="6">
        <AddressLine>1775 East Mission Bay Drive</AddressLine>
        <CityName>San Diego</CityName>
        <PostalCode>92109</PostalCode>
        <StateProv StateCode="CA">California</StateProv>
        <CountryName Code="US">United States of America</CountryName>
    </Address>
    <Email>jane_bucks@hilton.com</Email>
</ContactInfo>
<ContactInfo ContactType="Copy">
    <PersonName>
        <NamePrefix>Ms.</NamePrefix>
        <GivenName>Tiffany</GivenName>
        <Surname>Bracken</Surname>
        <NameTitle>Sales Officer</NameTitle>
    </PersonName>
    <Telephone CountryAccessCode="1" AreaCityCode="301" PhoneNumber="380-
3000" PhoneUseType="5"/>
    <Address FormattedInd="false" Type="2" UseType="6">
        <AddressLine>4835 LBJ Freeway, Suite 535</AddressLine>
        <CityName>Dallas</CityName>
        <PostalCode>75244</PostalCode>
        <StateProv StateCode="TX">Texas</StateProv>
        <CountryName Code="US">United States of America</CountryName>
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    <Email>tiffany_bracken@hilton.com </Email>
</ContactInfo>
</ContactInfos>
</Site>
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Regency Islandia Hotel and Marina" ChainName="Hyatt Hotels" BrandName="Hyatt Hotels">
    <ContactInfos>
        <ContactInfo ContactType="Primary">
            <PersonName>
                <GivenName>Sidney</GivenName>
                <Surname>Hunter</Surname>
                <NameTitle>Director</NameTitle>
            </PersonName>
            <Telephone CountryAccessCode="1" AreaCityCode="619" PhoneNumber="221-
4841" PhoneUseType="5"/>
            <Address FormattedInd="false" Type="2" UseType="6">
                <AddressLine>1441 Quivira Road </AddressLine>
                <CityName>San Diego</CityName>
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                <StateProv StateCode="CA">California</StateProv>
                <CountryName Code="US">United States of America</CountryName>
            </Address>
            <Email>gary.spencer@sheraton.com</Email>
        </ContactInfo>
    </ContactInfos>
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Diego Marriott La Jolla" ChainName="Marriott Corporation" BrandName="Marriott">
    <ContactInfos>
        <ContactInfo ContactType="Primary">
            <PersonName>
                <NamePrefix>Mr.</NamePrefix>
                <GivenName>Dave</GivenName>
                <Surname>Foster</Surname>
                <NameTitle>Director</NameTitle>

```

```

        </PersonName>
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            <CountryName Code="US">United States of America</CountryName>
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        <PersonName>
            <NamePrefix>Mr.</NamePrefix>
            <GivenName>Eric</GivenName>
            <Surname>Marriott</Surname>
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            <CityName>Washington DC</CityName>
            <PostalCode>20058</PostalCode>
            <StateProv StateCode="DC">District of Columbia</StateProv>
            <CountryName Code="US">United States of America</CountryName>
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        <ContactInfo ContactType="Primary">
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                <GivenName>Peggy</GivenName>
                <Surname>Johnson</Surname>
                <NameTitle>Sales Director</NameTitle>
            </PersonName>
            <Telephone CountryAccessCode="1" AreaCityCode="619" PhoneNumber="221-
4841" PhoneUseType="5"/>
            <Address FormattedInd="false" Type="2" UseType="6">
                <AddressLine>1433 Camino Del Rio South </AddressLine>
                <CityName>San Diego</CityName>
                <PostalCode>92108</PostalCode>
                <StateProv StateCode="CA">California</StateProv>
                <CountryName Code="US">United States of America</CountryName>
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Coronado Island" ChainName="Marriott Corporation" BrandName="Marriott">
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                <Surname>Outcalt</Surname>
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            </PersonName>
            <Telephone CountryAccessCode="1" AreaCityCode="619" PhoneNumber="230-
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          <StateProv StateCode="CA">California</StateProv>
          <CountryName Code="US">United States of America</CountryName>
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        <Email>rick.outcalt@marriott.com</Email>
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        <Surname>Marriott</Surname>
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        <PostalCode>20058</PostalCode>
        <StateProv StateCode="DC">District of Columbia</StateProv>
        <CountryName Code="US">United States of America</CountryName>
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      <Email>emarriott@marriott.com</Email>
    </ContactInfo>
  </ContactInfos>
</Site>
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Desert Resort" ChainName="Independent" BrandName="Radisson">
  <ContactInfos>
    <ContactInfo ContactType="Primary">
      <PersonName>
        <GivenName>Phyllis</GivenName>
        <Surname>Fetter</Surname>
        <NameTitle>Sales Director</NameTitle>
      </PersonName>
      <Telephone CountryAccessCode="1" AreaCityCode="888" PhoneNumber="336-
9336" PhoneUseType="5"/>
      <Address FormattedInd="false" Type="2" UseType="6">
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        <CityName>Borrego Springs</CityName>
        <PostalCode>92004</PostalCode>
        <StateProv StateCode="CA">California</StateProv>
        <CountryName Code="US">United States of America</CountryName>
      </Address>
      <Email>phyllis.fetter@lacasadeszorro.com</Email>
    </ContactInfo>
  </ContactInfos>
</Site>
<Site ChainCode="2" BrandCode="8" HotelCode="14760" HotelName="Four Seasons Resort
Aviara" ChainName="Four Seasons Hotels" BrandName="Four Seasons Hotels">
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        <Surname>Trevithick</Surname>
        <NameTitle>Sales Director</NameTitle>
      </PersonName>
      <Telephone CountryAccessCode="1" AreaCityCode="760" PhoneNumber="603-
6800" PhoneUseType="5"/>
      <Address FormattedInd="false" Type="2" UseType="6">
        <AddressLine>7100 Four Seasons Point</AddressLine>
        <CityName>Carlsbad</CityName>
        <PostalCode>92009</PostalCode>

```

```

        <StateProv StateCode="CA">California</StateProv>
        <CountryName Code="US">United States of America</CountryName>
    </Address>
    <Email>nance.trevithick@fourseasons.com</Email>
</ContactInfo>
</ContactInfos>
</Site>
</Sites>
<RoomBlock>
    <BudgetedRoomRate Amount="200.00" CurrencyCode="USD" DecimalPlaces="2"/>
    <StayDays FirstStayDayOfWeek="Mon">
        <StayDay DayNumber="1">
            <StayDayRooms>
                <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="3"/>
                <StayDayRoom RoomTypeRequirement="Doubles" NumberOfUnits="4"/>
                <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="20">
                    <Comment ParagraphNumber="1" Language="en-us">
                        <Text Formatted="1" Language="en-us">2 Rooms require a crib</Text>
                    </Comment>
                </StayDayRoom>
                <StayDayRoom RoomTypeRequirement="Suites" NumberOfUnits="3"/>
            </StayDayRooms>
        </StayDay>
        <StayDay DayNumber="2">
            <StayDayRooms>
                <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="3"/>
                <StayDayRoom RoomTypeRequirement="Doubles" NumberOfUnits="4"/>
                <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="20">
                    <Comment ParagraphNumber="1" Language="en-us">
                        <Text Formatted="1" Language="en-us">2 Rooms require a crib</Text>
                    </Comment>
                </StayDayRoom>
                <StayDayRoom RoomTypeRequirement="Suites" NumberOfUnits="3"/>
            </StayDayRooms>
        </StayDay>
        <StayDay DayNumber="3">
            <StayDayRooms>
                <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="3"/>
                <StayDayRoom RoomTypeRequirement="Doubles" NumberOfUnits="4"/>
                <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="20">
                    <Comment ParagraphNumber="1" Language="en-us">
                        <Text Formatted="1" Language="en-us">2 Rooms require a crib</Text>
                    </Comment>
                </StayDayRoom>
                <StayDayRoom RoomTypeRequirement="Suites" NumberOfUnits="3"/>
            </StayDayRooms>
        </StayDay>
        <StayDay DayNumber="4">
            <StayDayRooms>
                <StayDayRoom RoomTypeRequirement="Singles" NumberOfUnits="3"/>
                <StayDayRoom RoomTypeRequirement="Doubles" NumberOfUnits="4"/>
                <StayDayRoom RoomTypeRequirement="Doubles/Doubles"
NumberOfUnits="20">
                    <Comment ParagraphNumber="1" Language="en-us">
                        <Text Formatted="1" Language="en-us">2 Rooms require a crib</Text>
                    </Comment>
                </StayDayRoom>
                <StayDayRoom RoomTypeRequirement="Suites" NumberOfUnits="3"/>
            </StayDayRooms>
        </StayDay>
    </StayDays>
</RoomBlock>
<EventBlock>

```

```

<EventBudget Amount="31815.00" CurrencyCode="USD"/>
<EventDays FirstEventDayOfWeek="Thu">
  <EventDay DayNumber="1">
    <EventDayFunctions>
      <EventDayFunction EventName="Breakfast" StartTime="08:00:00"
EndTime="09:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
          <Text Formatted="1" Language="en-us">All American breakfast; 4
Vegetarians</Text>
        </Comments>
      </EventDayFunction>
      <EventDayFunction EventName="General Session" StartTime="9:00:00"
EndTime="10:30:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft." AttendeeQuantity="24"
RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
      <EventDayFunction EventName="Break" StartTime="10:30:00"
EndTime="10:45:00" UnitOfMeasureQuantity="285" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="7" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
          <Text Formatted="1" Language="en-us">Coffee; Soda; Danish,
doughnuts</Text>
        </Comments>
      </EventDayFunction>
      <EventDayFunction EventName="General Session Continued"
StartTime="10:45:00" EndTime="12:00:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft."
AttendeeQuantity="24" RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
      <EventDayFunction EventName="Lunch" StartTime="12:00:00"
EndTime="01:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
          <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
      </EventDayFunction>
      <EventDayFunction EventName="FY 2003 Sales Review" StartTime="01:00:00"
EndTime="03:15:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft." AttendeeQuantity="24"
RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
      <EventDayFunction EventName="Break" StartTime="03:15:00"
EndTime="03:30:00" UnitOfMeasureQuantity="285" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="7" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
          <Text Formatted="1" Language="en-us">Coffee; Soda; Cookies;
etc.</Text>
        </Comments>
      </EventDayFunction>
      <EventDayFunction EventName="FY 2004 Sales Goals" StartTime="03:30:00"
EndTime="05:00:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft." AttendeeQuantity="24"
RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
      <EventDayFunction EventName="Dinner" StartTime="06:00:00"
EndTime="08:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
          <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
      </EventDayFunction>
    </EventDayFunctions>
  </EventDay>
  <EventDay DayNumber="2">
    <EventDayFunctions>

```



```

        <EventDayFunction EventName="Breakfast" StartTime="08:00:00"
EndTime="09:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
        <Text Formatted="1" Language="en-us">All American breakfast; 4
Vegetarians</Text>
        </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="2004 Planning Session" StartTime="9:00:00"
EndTime="10:30:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft." AttendeeQuantity="24"
RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
        <EventDayFunction EventName="Break" StartTime="10:30:00"
EndTime="10:45:00" UnitOfMeasureQuantity="285" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="7" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
        <Text Formatted="1" Language="en-us">Coffee; Soda; Danish,
doughnuts</Text>
        </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="2004 Planning Session continued"
StartTime="10:45:00" EndTime="12:00:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft."
AttendeeQuantity="24" RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
        <EventDayFunction EventName="Lunch" StartTime="12:00:00"
EndTime="01:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
        <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="Establish 2004 Sales Goals"
StartTime="01:00:00" EndTime="3:15:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft."
AttendeeQuantity="24" RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
        <EventDayFunction EventName="Break" StartTime="03:15:00" EndTime="03:30"
UnitOfMeasureQuantity="285" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30" RoomSetup="7"
TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
        <Text Formatted="1" Language="en-us">Coffee; Soda; Cookies;
etc.</Text>
        </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="2004 Sales Goals continued"
StartTime="3:30:00" EndTime="05:00:00" UnitOfMeasureQuantity="975" UnitOfMeasure="Sq. Ft."
AttendeeQuantity="24" RoomSetup="3" TwentyFourHourHold="0">
        </EventDayFunction>
        <EventDayFunction EventName="Dinner" StartTime="06:00:00"
EndTime="08:00:00" UnitOfMeasureQuantity="365" UnitOfMeasure="Sq. Ft." AttendeeQuantity="30"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
        <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
        </EventDayFunction>
        </EventDayFunctions>
    </EventDay>
    <EventDay DayNumber="3">
        <EventDayFunctions>
            <EventDayFunction EventName="Breakfast" StartTime="08:00:00"
EndTime="09:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
            <Comments ParagraphNumber="1">
            <Text Formatted="1" Language="en-us">All American breakfast; 4
Vegetarians</Text>

```

```

        </Comments>
    </EventDayFunction>
    <EventDayFunction EventName="Lunch" StartTime="12:00:00"
EndTime="01:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
            <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
    </EventDayFunction>
    <EventDayFunction EventName="Dinner" StartTime="06:00:00"
EndTime="08:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
        <Comments ParagraphNumber="1">
            <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
        </Comments>
    </EventDayFunction>
    <EventDayFunction EventName="Awards Ceremony" StartTime="08:00:00"
EndTime="10:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
    </EventDayFunction>
</EventDayFunctions>
</EventDay>
<EventDay DayNumber="4">
    <EventDayFunctions>
        <EventDayFunction EventName="Breakfast" StartTime="08:00:00"
EndTime="09:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
            <Comments ParagraphNumber="1">
                <Text Formatted="1" Language="en-us">All American breakfast; 4
Vegetarians</Text>
            </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="Lunch" StartTime="12:00:00"
EndTime="01:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
            <Comments ParagraphNumber="1">
                <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
            </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="Dinner" StartTime="06:00:00"
EndTime="08:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
            <Comments ParagraphNumber="1">
                <Text Formatted="1" Language="en-us">Box Lunch with choices for
Turkey, Roast Beef and Chicken sandwiches</Text>
            </Comments>
        </EventDayFunction>
        <EventDayFunction EventName="Awards Ceremony" StartTime="08:00:00"
EndTime="10:00:00" UnitOfMeasureQuantity="963" UnitOfMeasure="Sq. Ft." AttendeeQuantity="80"
RoomSetup="1" TwentyFourHourHold="1">
    </EventDayFunction>
</EventDayFunctions>
</EventDay>
</EventDays>
</EventBlock>
<Histories>
    <History Start="2002-09-10" End="2004-09-14" MeetingName="2nd Annual Sales Incentive"
SiteName="Hilton Sacramento Arden West">
        <ContactInfos>
            <ContactInfo>
                <Telephone CountryAccessCode="1" AreaCityCode="916" PhoneNumber="922-
4700"/>
                <Address FormattedInd="false" Type="2">

```

```

        <AddressLine>2200 Harvard St.</AddressLine>
        <CityName>Sacramento</CityName>
        <PostalCode>95815</PostalCode>
        <StateProv StateCode="CA">California</StateProv>
        <CountryName Code="US">United States of America</CountryName>
    </Address>
</ContactInfo>
</ContactInfos>
<DaySummaries>
    <DaySummary DayNumber="1" AttendeeQuantity="31" RoomBlockQuantity="35"
RoomPickupQuantity="31" TotalGuestRoomAmount="5859.00" TotalFoodAndBevAmount="2854.00"
TotalMeetingRoomRentalAmount="2000.00" TotalAudioVisualRentalAmount="125.00" CurrencyCode="USD"
DecimalPlaces="2"/>
    <DaySummary DayNumber="2" AttendeeQuantity="31" RoomBlockQuantity="35"
RoomPickupQuantity="31" TotalGuestRoomAmount="5859.00" TotalFoodAndBevAmount="2854.00"
TotalMeetingRoomRentalAmount="2000.00" TotalAudioVisualRentalAmount="150.00" CurrencyCode="USD"
DecimalPlaces="2"/>
    <DaySummary DayNumber="3" AttendeeQuantity="74" RoomBlockQuantity="35"
RoomPickupQuantity="31" TotalGuestRoomAmount="5859.00" TotalFoodAndBevAmount="8566.00"
TotalMeetingRoomRentalAmount="2000.00" TotalAudioVisualRentalAmount="350.00" CurrencyCode="USD"
DecimalPlaces="2"/>
    <DaySummary DayNumber="4" AttendeeQuantity="74" RoomBlockQuantity="35"
RoomPickupQuantity="31" TotalGuestRoomAmount="5859.00" TotalFoodAndBevAmount="8566.00"
TotalMeetingRoomRentalAmount="2000.00" TotalAudioVisualRentalAmount="350.00" CurrencyCode="USD"
DecimalPlaces="2"/>
</DaySummaries>
</History>
</Histories>
<RFP_ID URL="http://www.mpoint.com" Type="13" ID="102231">
    </RFP_ID>
    </RFP_RequestSegment>

    </RFP_RequestSegments>
    <MessageID URL="http://www.mpoint.com" Type="13" ID="12346">
        <CompanyName CompanyShortName="3RD Annual Sales Incentive Mtg">
            </CompanyName> </MessageID>
    </OTA_HotelRFP_MeetingRQ>

```

8.19.2.2. Response: Acknowledgement received

Kellie gets back a response acknowledging her request from one of the requested sites, Hitlon San Diego Resort.

OTA_HotelRFP_MeetingRS2.XML

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingRS EchoToken="183530" TimeStamp="2003-02-17T09:30:49-05:00"
Target="Production" Version="1.000" SequenceNmbr="1" PrimaryLangID="en-us" AltLangID="en-us"
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_HotelRFP_MeetingRS.xsd">
    <Success/>
    <RFP_Response>
        <RFP_ResponseSegments>
            <RFP_ResponseSegment>
                <Sites>
                    <Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16023" HotelName="Hilton San
Diego Resort" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
                        <SiteID URL="http://www.mpoint.com" Type="0" ID="102230"/>
                    </Site>
                </Sites>
            </RFP_ResponseSegment>
        </RFP_ResponseSegments>
    </RFP_Response>

```

```

<MessageID URL="http://www.mpoint.com" Type="0" ID="12346">
  <CompanyName>3RD Annual Sales Incentive Meeting</CompanyName>
</MessageID>
</RFP_Response>
</OTA_HotelRFP_MeetingRS>

```

8.20.OTA_HotelRFP_MeetingNotifRQ/RS

Because most hotels currently cannot respond to the RFPs in real-time, this message was created. The intended use case of this message is the following scenario, after receiving an OTA_HotelRFP_MeetingRQ, an OTA_HotelRFP_MeetingRS will be returned indicating when and how the hotel will respond to the request. This detailed response uses the OTA_HotelRFP_MeetingNotifRQ message. Additionally, the OTA_HotelRFP_MeetingNotifRQ may be used to provide updated information regarding the original RFP.

8.20.1. Use Case 1

8.20.1.1. Request: Simple RFP Notification with Primary Dates

In response to the Houston Astros Soccer Club request (see OTA_HotelRFP_MeetingRQ/RS use case 1) the following information would be supplied:

Deliver Responses to:

Julie Clark
 785 Walnut Lane
 Houston, TX 77571
 Phone: 281-771-6846
 Fax: 281-771-8541
 Email: Julie_Clark@att.net

FROM: Hilton DFW Lakes Executive Conference Center

Lori Smith

Director of Sales

800 Highway 26 East
 Grapevine, TX 76051
 United States of America
 Email: lsmith@dfwhilton.com
 (817) 481-8444 - main phone
 (817) 481-3160 - main fax
 (817) 410-6772 - sales phone
 (817) 481-3146 - sales fax

Yes, our facility is interested.

Arrival Date:	October 10, 2004
----------------------	------------------

Departure Date:	October 12, 2004
Single Rate:	\$92.00
Double Rate:	\$92.00
Option	1 st Option
City Tax	7.25%
State Tax	7.75%
Room Block	Total 15
Single	5 Rooms per Night
Double	10 Rooms per Night

Comments:

- § Room Rates include continental breakfast for you and your group on the same floor as the guest rooms.
- § Televisions can be set with parental controls for stations and movie channels.
- § All Rooms paid by master account can be credited towards your Hhonors account, if paid individually this would not apply.
- § We would be happy to have your team with us! Let me know if I can hold space for you.

OTA_RFP_MeetingNotifRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingNotifRQ 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_HotelRFP_MeetingNotifRQ.xsd" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
us">
  <RFP_ResponseSegments>
    <RFP_ResponseSegment>
      <Sites>
        <Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16024" HotelName="Hilton
DFW Lakes Executive Conference Center" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
          <ResponseType DetailIncludedIndicator="true"/>
          <ContactInfos>
            <ContactInfo ContactType="Director of Sales">
              <PersonName>
                <NamePrefix>Ms.</NamePrefix>
                <GivenName>Lori</GivenName>
                <Surname>Smith</Surname>
              </PersonName>
              <Telephone PhoneLocationType="4" PhoneTechType="1"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-8444"/>
              <Telephone PhoneLocationType="4" PhoneTechType="3"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3160"/>
              <Telephone PhoneLocationType="5" PhoneTechType="1"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="410-6772"/>
              <Telephone PhoneLocationType="5" PhoneTechType="3"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3146"/>
              <Address Type="2" UseType="6">
                <StreetNmbr>800 Highway 26 East</StreetNmbr>
                <CityName>Grapevine</CityName>
                <PostalCode>76051-9641</PostalCode>
                <StateProv StateCode="TX"/>
                <CountryName Code="US"/>
              </Address>
            </ContactInfo>
          </ContactInfos>
        </Site>
      </Sites>
    </RFP_ResponseSegment>
  </RFP_ResponseSegments>
</OTA_HotelRFP_MeetingNotifRQ>
```

```

        </Address>
        <Email EmailType="6">lsmith@dfwhilton.com</Email>
    </ContactInfo>
</ContactInfos>
<Dates>
    <Date Start="2004-10-10" End="2004-10-12" ProposedDateIndicator="Primary">
        <RoomBlock>
            <StayDates>
                <StayDate Start="2004-10-10" End="2004-10-12">
                    <StayDateRooms>
                        <StayDateRoom RoomType="single" NumberOfUnits="5">
                            <Rates>
                                <Rate Amount="92.00" CurrencyCode="USD"
DecimalPlaces="2" OccupancyRate="Single">
                                    <Taxes CurrencyCode="USD">
                                        <Tax Percent="7.25" Code="3"/>
                                        <Tax Percent="7.75" Code="15"/>
                                    </Taxes>
                                </Rate>
                            </Rates>
                        </StayDateRoom>
                        <StayDateRoom RoomType="double" NumberOfUnits="10">
                            <Rates>
                                <Rate Amount="92.00" CurrencyCode="USD"
DecimalPlaces="2" OccupancyRate="Single">
                                    <Taxes CurrencyCode="USD">
                                        <Tax Percent="7.25" Code="3"/>
                                        <Tax Percent="7.75" Code="15"/>
                                    </Taxes>
                                </Rate>
                            </Rates>
                        </StayDateRoom>
                        <StayDateRoom RoomType="double" NumberOfUnits="10">
                            <Rates>
                                <Rate Amount="92.00" CurrencyCode="usd"
DecimalPlaces="2" OccupancyRate="Single">
                                    <Taxes CurrencyCode="usd">
                                        <Tax Percent="7.25" Code="3"/>
                                        <Tax Percent="7.75" Code="15"/>
                                    </Taxes>
                                </Rate>
                            </Rates>
                        </StayDateRoom>
                    </StayDateRooms>
                </StayDate>
            </StayDates>
        </RoomBlock>
    </Date>
</Dates>
    <Comment>
        <Text xsi:language="en">
            Room Rates include continental breakfast for you and your group on the same floor
            as the guest rooms. Televisions can be set with parental controls for stations and movie channels. All Rooms
            paid by master account can be credited towards your Hhonors account, if paid individually this would not
            apply. We would be happy to have your team with us! Let me know if I can hold space for you.</Text>
        </Comment>
        <SiteID URL="http://www.hiltondirect.com" Type="10" ID="123456"/>
    </Site>
</Sites>
    <RFP_ID URL="http://www.mpoint.com" Type="13" ID="102230"/>
</RFP_ResponseSegment>
</RFP_ResponseSegments>
    <MessageID ID="12345" Type="10"/>
</OTA_HotelRFP_MeetingNotifRQ>

```

8.20.1.2. Response: Acknowledgement of Receipt of Request

The message is successfully received.

OTA_HotelRFP_MeetingNotifRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingNotifRS 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_HotelRFP_MeetingNotifRS.xsd" Version="1.001">
  <Success/>
  <MessageID ID="12345" Type="13">
    <RFP_IDs>
      <RFP_ID ID="102230" Type="16">
        <SiteIDs>
          <SiteID ID="123456" Type="10"/>
        </SiteIDs>
      </RFP_ID>
    </RFP_IDs>
  </MessageID>
</OTA_HotelRFP_MeetingNotifRS>
```

8.20.2. Use Case 2

Alternate Arrival Date:	October 17, 2004
Alternate Departure Date:	October 19, 2004
Single Rate:	\$85.00
Double Rate:	\$85.00
Option	Alternate
City Tax	7.25%
State Tax	7.75%
Room Block	Total 15
Single	5 Rooms per Night
Double	10 Rooms per Night

8.20.2.1. Request: Simple RFP Notification with Alternate Dates

In response to the Houston Astros Soccer Club (see OTA_HotelRFP_MeetingRQ/RS use case 1) request the following information would be supplied:

Deliver Responses to:

Julie Clark
785 Walnut Lane
Houston, TX 77571
Phone: 281-771-6846
Fax: 281-771-8541

Email: Julie_Clark@att.net

FROM: Doubletree Hotel Dallas-Lincoln Centre near the Galleria

Tiffany Jones

Director of Sales

5410 LBJ Freeway
Dallas, TX 75240
United States of America
Email: tjones@ddallas_hilton.com
(972) 934-8400 - main phone
(972) 701-5244 - main fax
(972) 701-5127 - sales phone
(972) 701-5137 - sales fax

Alternate Arrival Date:	October 17, 2004
Alternate Departure Date:	October 19, 2004
Single Rate:	\$85.00
Double Rate:	\$85.00
Option	Alternate
City Tax	7.25%
State Tax	7.75%
Room Block	Total 15
Single	5 Rooms per Night
Double	10 Rooms per Night

OTA_RFP_MeetingNotifRQ2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingNotifRQ 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_HotelRFP_MeetingNotifRQ.xsd" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-us">
  <RFP_ResponseSegments>
    <RFP_ResponseSegment>
      <Sites>
        <Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16024" HotelName="Hilton
        DFW Lakes Executive Conference Center" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
          <ResponseType DetailIncludedIndicator="true"/>
          <ContactInfos>
            <ContactInfo ContactType="Director of Sales">
              <PersonName>
                <NamePrefix>Ms.</NamePrefix>
```

June 2005


```

        <GivenName>Lori</GivenName>
        <Surname>Smith</Surname>
    </PersonName>
    <Telephone PhoneLocationType="4" PhoneTechType="1"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-8444"/>
    <Telephone PhoneLocationType="4" PhoneTechType="3"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3160"/>
    <Telephone PhoneLocationType="5" PhoneTechType="1"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="410-6772"/>
    <Telephone PhoneLocationType="5" PhoneTechType="3"
CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3146"/>
    <Address Type="2" UseType="6">
        <StreetNmbr>800 Highway 26 East</StreetNmbr>
        <CityName>Grapevine</CityName>
        <PostalCode>76051-9641</PostalCode>
        <StateProv StateCode="TX"/>
        <CountryName Code="US"/>
    </Address>
    <Email EmailType="6">lsmith@dfwhilton.com</Email>
</ContactInfo>
</ContactInfos>
<Dates>
    <Date Start="2004-10-17" End="2004-10-19" ProposedDateIndicator="Alternate">
        <RoomBlock>
            <StayDates>
                <StayDate Start="2004-10-17" End="2004-10-19">
                    <StayDateRooms>
                        <StayDateRoom RoomType="single" NumberOfUnits="5">
                            <Rates>
                                <Rate Amount="85.00" CurrencyCode="USD"
DecimalPlaces="2" OccupancyRate="Single">
                                    <Taxes CurrencyCode="USD">
                                        <Tax Percent="7.25" Code="3"/>
                                        <Tax Percent="7.75" Code="15"/>
                                    </Taxes>
                                </Rate>
                            </Rates>
                        </StayDateRoom>
                        <StayDateRoom RoomType="double" NumberOfUnits="10">
                            <Rates>
                                <Rate Amount="85.00" CurrencyCode="USD"
DecimalPlaces="2" OccupancyRate="Single">
                                    <Taxes CurrencyCode="USD">
                                        <Tax Percent="7.25" Code="3"/>
                                        <Tax Percent="7.75" Code="15"/>
                                    </Taxes>
                                </Rate>
                            </Rates>
                        </StayDateRoom>
                    </StayDateRooms>
                </StayDate>
            </StayDates>
        </RoomBlock>
    </Date>
</Dates>
<Comment>
    <Text xsi:language="en">
        Unfortunately, we are sold out over the dates you requested. If you are able to adjust
        your dates we could accomodate you the following week. Please let me know if this will work for your team.
    </Text>
</Comment>
    <SiteID URL="http://www.hiltondirect.com" Type="10" ID="123456">
</SiteID>
</Site>
</Sites>
</RFP_ResponseSegment>

```

```
</RFP_ResponseSegments>
<MessageID ID="12346" URL="http://www.mpoint.com" Type="13"/>
</OTA_HotelRFP_MeetingNotifRQ>
```

8.20.2.2. Response: Acknowledgment of Receipt of NotifRequest Details

The message is successfully received.

OTA_RFP_MeetingNotifRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingNotifRS 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_HotelRFP_MeetingNotifRS.xsd" Version="1.001">
  <Success/>
  <MessageID ID="12346" Type="13"/>
</OTA_HotelRFP_MeetingNotifRS>
```

8.20.3. Use Case 3

8.20.3.1. Request: Simple RFP Notification Decline

In response to the Houston Astros Soccer Club request the following information would be supplied:

Deliver Responses to:

Julie Clark
785 Walnut Lane
Houston, TX 77571
Phone: 281-771-6846
Fax: 281-771-8541
Email: Julie_Clark@att.net

FROM: Hilton DFW Lakes Executive Conference Center

Lori Smith

Director of Sales

800 Highway 26 East
Grapevine, TX 76051
United States of America
Email: lsmith@dfwhilton.com
(817) 481-8444 - main phone
(817) 481-3160 - main fax
(817) 410-6772 - sales phone
(817) 481-3146 - sales fax

We apologize, but our facility cannot accommodate your request at this time.

OTA_RFP_MeetingNotifRQ3.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_MeetingNotifRQ 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_HotelRFP_MeetingNotifRQ.xsd" TimeStamp="2001-12-17T09:30:47-05:00" Target="Production"
  Version="1.000" SequenceNmbr="1" TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-
  us">
  <RFP_ResponseSegments>
    <RFP_ResponseSegment>
      <Sites>
        <Site ChainCode="Hilton" BrandCode="HIC" HotelCode="16024" HotelName="Hilton
        DFW Lakes Executive Conference Center" ChainName="Hilton Hotels" BrandName="Hilton Hotels">
          <ResponseType DetailIncludedIndicator="true" DeclineIndicator="true"
          DeclineReasonCode="5"/>
          <ContactInfos>
            <ContactInfo ContactType="Director of Sales">
              <PersonName>
                <NamePrefix>Ms.</NamePrefix>
                <GivenName>Lori</GivenName>
                <Surname>Smith</Surname>
              </PersonName>
              <Telephone PhoneLocationType="4" PhoneTechType="1"
              CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-8444"/>
              <Telephone PhoneLocationType="4" PhoneTechType="3"
              CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3160"/>
              <Telephone PhoneLocationType="5" PhoneTechType="1"
              CountryAccessCode="1" AreaCityCode="817" PhoneNumber="410-6772"/>
              <Telephone PhoneLocationType="5" PhoneTechType="3"
              CountryAccessCode="1" AreaCityCode="817" PhoneNumber="481-3146"/>
              <Address Type="2" UseType="6">
                <StreetNmbr>800 Highway 26 East</StreetNmbr>
                <CityName>Grapevine</CityName>
                <PostalCode>76051-9641</PostalCode>
                <StateProv StateCode="TX"/>
                <CountryName Code="US"/>
              </Address>
              <Email EmailType="6">lsmith@dfwhilton.com</Email>
            </ContactInfo>
          </ContactInfos>
          <Comment>
            <Text xsi:language="en">
              We apologize, but our facility cannot accommodate your request at this time.</Text>
            </Comment>
            <SiteID URL="http://www.hiltondirect.com" Type="10" ID="123456"/>
          </Site>
        </Sites>
      </RFP_ResponseSegment>
    </RFP_ResponseSegments>
    <MessageID ID="12345" URL="http://www.mpoint.com" Type="13"/>
  </OTA_HotelRFP_MeetingNotifRQ>
```

8.20.3.2. Response:

TBD

OTA_HotelRFP_MeetingNotifRS3.xml

TBD

8.21.OTA_HotelRFP_TransientRQ/RS

The OTA_HotelRFP_TransientRQ/RS message supports the buyer to supplier process of negotiating room rates and amenities for a given contract period. The buyer is the corporation negotiating directly with the supplier (e.g., hotel chains or individual hotels). The buyer can also be a travel agency or consortium securing competitive room rates to offer to corporation and/or the individual business traveler.

The request/response data set will generally equal each other in the first round of distribution. The second round of negotiations, if requested by the buyer, can sometimes be a subset of data from the original request. This data set will include components already defined in the OTA Hotel Descriptive information and the Rate information.

The Request is usually a corporation sending requirements to a hotelier requesting a proposal for negotiated room rates. This would be used for an initial request, a renegotiate or an accept/deny. The response is usually sent by a hotelier. It contains various levels of details based on the Request. In many cases this will be a simple acknowledgement because human intervention is necessary to obtain full details. When these details are available, the hotel will send them in the Notif Request.

8.21.1. Use Case 1

8.21.1.1. Request: Corporate client requests new negotiated rate from a hotel

Johnny Quest, Corporate Travel Officer, from Quest Corporation has to accommodate Quest's traveling sales staff that travels primarily to Los Angeles, California. Quest currently has a negotiated rate at the Los Angeles International Airport Marriott (LAXAP) and would like to request a negotiated rate for next year. He will require 1500 room nights for the next year. Johnny is very familiar with the hotel amenities and is interested in only the new rate that will be offered.

Quest Corporation
123 Main Street
Chicago, IL 60606
johnny@quest.com
Phone: 1-312-555-1212
Fax: 1-312-555-1234

Because Johnny is familiar with the hotel amenities and only needs new rate information he will use the OTA Codelist RFP Response Category Codes (RRC) Code 1 for Client and Rate Information.

OTA_HotelRFP_TransientRQ.xml

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

```

<OTA_HotelRFP_TransientRQ 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_HotelRFP_TransientRQ.xsd"
EchoToken="952698" TimeStamp="2004-08-02T02:30:47-05:00" Target="Production" Version="1.000"
PrimaryLangID="en-us">
  <TransientRFP_RequestSegments>
    <RequestedInfos>
      <RequestedInfo RequestedInfoCode="1"/>
    </RequestedInfos>
    <TransientRFP_RequestSegment HotelCode="LAXAP">
      <ContactInfos>
        <ContactInfo ContactProfileType="Client">
          <Names>
            <Name>
              <GivenName>Johnny</GivenName>
              <Surname>Quest</Surname>
              <JobTitle>Corporate Travel Officer</JobTitle>
            </Name>
          </Names>
          <Addresses>
            <Address>
              <AddressLine>123 Main Street</AddressLine>
              <CityName>Chicago</CityName>
              <PostalCode>60606</PostalCode>
              <StateProv>IL</StateProv>
            </Address>
          </Addresses>
          <Phones>
            <Phone PhoneTechType="1" PhoneUseType="3" AreaCityCode="312"
PhoneNumber="555-1212"/>
            <Phone PhoneTechType="3" AreaCityCode="312" PhoneNumber="555-1234"/>
          </Phones>
          <Emails>
            <Email EmailType="2">johnny@quest.com</Email>
          </Emails>
          <CompanyName>Quest Corporation</CompanyName>
        </ContactInfo>
      </ContactInfos>
      <AccountSpecificInfo HotelPotentialRoomQuantity="1500"/>
    </TransientRFP_RequestSegment>
  </TransientRFP_RequestSegments>
  <MessageID ID="12345777" Type="16"/>
</OTA_HotelRFP_TransientRQ>

```

8.21.1.2. Response: Hotel responds with a success message and details regarding the full response.

A response message comes back acknowledging receipt and saying details will be sent within 48 hours.

OTA_HotelRFP_TransientRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_TransientRS 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_HotelRFP_TransientRS.xsd"
EchoToken="952698" TimeStamp="2004-08-02T02:32:47-05:00" Target="Production" Version="1.0">
  <Success/>
  <RFP_TransientDetail>
    <RFP_TransientResponses>
      <RFP_TransientResponse BrandCode="MC" ChainCode="MI" HotelCode="LAXAP" HotelName="Los
Angeles Airport Marriott">
        <RFP_ResponseDetail DetailIncludedIndicator="false" MaximumTime="P2D" />

```

```

    </RFP_TransientResponse>
  </RFP_TransientResponses>
  <MessageID ID="12345777" Type="16"/>
  </RFP_TransientDetail>
</OTA_HotelRFP_TransientRS>

```

8.22.OTA_HotelRFP_TransientNotifRQ/RS

Typically a hotelier will use the OTA_HotelRFP_TransientNotifRQ to push detailed or updated information to an original Request. The OTA_HotelRFP_TransientNotifRS is a simple acknowledgement for receipt of the Notif Request.

8.22.1. Use Case 1

8.22.1.1. Request: Hotel sends details of negotiated rate to corporate client

LAXAP requires that a minimum annual room night production be 1500. The rate is \$105 US Dollars good from January 1, 2005 through December 31, 2005. This rate will apply only to standard (GENR) rooms with two queen beds or one king bed and is exclusive of a 14% room tax. The rate is non-commissionable. Reservations must be guaranteed for late arrival with a credit card. Reservations must be cancelled by 6pm on the day of arrival in order to avoid a penalty. Blackout dates are in effect from January 20, 2005 through January 27, 2005 for a special event that will be hosted in Los Angeles.

Hotel Contact- Sales Manager
 Jane West
 Los Angeles Airport Marriott
 5855 West Century Boulevard
 Los Angeles, California 90045 USA
 Phone: 1-310-641-5700
 Fax: 1-310-337-5358

RFP Response Category Codes (RRC)
 Client and Rate Information

OTA_HotelRFP_TransientNotifRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_TransientNotifRQ 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_HotelRFP_TransientNotifRQ.xsd" EchoToken="952698" TimeStamp="2004-08-03T14:30:47-08:00"
  Target="Production" Version="1.000" PrimaryLangID="en-US">
  <RFP_TransientResponses>
    <RFP_TransientResponse ChainCode="MI" BrandCode="MC" HotelCode="LAXAP" HotelName="Los
    Angeles Airport Marriott">
      <RFP_ResponseDetail DetailIncludedIndicator="true"/>
      <HotelDescription>
        <ContactInfos>
          <ContactInfo>
            <Names>
              <Name>
                <GivenName>Jane</GivenName>

```

```

        <Surname>West</Surname>
        <JobTitle>Sales Manager</JobTitle>
    </Name>
</Names>
<Addresses>
    <Address>
        <AddressLine>5855 West Century Boulevard</AddressLine>
        <CityName>Los Angeles</CityName>
        <PostalCode>90045</PostalCode>
        <StateProv>California</StateProv>
        <CountryName>USA</CountryName>
    </Address>
</Addresses>
<Phones>
    <Phone PhoneTechType="1" PhoneNumber="641-5700 " AreaCityCode="310"
PhoneUseType="5"/>
    <Phone PhoneTechType="3" PhoneNumber="337-5358" AreaCityCode="310"/>
</Phones>
<Emails>
    <Email>jane.west@mhrs.laxap.dos.com</Email>
</Emails>
<CompanyName>Los Angeles Airport Marriott</CompanyName>
</ContactInfo>
</ContactInfos>
</HotelDescription>
<AccountSpecificInformation ContractAgreementIndicator="true">
    <AccountSpecificRateInfo RoomNightTargetIndicator="true"
RoomNightTargetQuantity="1500" Start="2005-01-01" End="2005-12-31"/>
    <RoomTypes>
        <RoomType RoomTypeCode="GENR" IsRoom="true" ReqdGuaranteeType="credit
card">
            <RoomDescription Name="Standard Quality Room">
                <Text>Standard quality room with two queen beds or one king bed.</Text>
            </RoomDescription>
            <RoomRateInfos>
                <RoomRateInfo>
                    <Rates>
                        <Rate>
                            <Base AmountBeforeTax="10500" CurrencyCode="USD"
DecimalPlaces="2">
                                <Taxes>
                                    <Tax Type="Exclusive" Code="28" Percent="14"/>
                                </Taxes>
                            </Base>
                            <CancelPolicies>
                                <CancelPenalty ConfirmClassCode="6PM DOA"
NonRefundable="false">
                                    <Deadline AbsoluteDeadline="18:00:00"/>
                                    <AmountPercent TaxInclusive="false" NmbrOfNights="1"
BasisType="Nights">
                                        <Taxes>
                                            <Tax Type="Exclusive" Code="28" Percent="14"/>
                                        </Taxes>
                                    </AmountPercent>
                                </CancelPenalty>
                            </CancelPolicies>
                            <RateDescription Name="Quest">
                                <Text>Negotiated Rate for Quest for 2005.</Text>
                            </RateDescription>
                            <TPA_Extensions/>
                        </Rate>
                    </Rates>
                    <Commission StatusType="Non-paying"/>
                </RoomRateInfo>
            </RoomRateInfos>
        </RoomType>
    </RoomTypes>

```

```

</RoomTypes>
<BlackoutDates>
  <BlackoutDate Start="2005-01-20" End="2005-01-27"/>
</BlackoutDates>
<ContactInfos>
  <ContactInfo ContactProfileType="Client">
    <Names>
      <Name>
        <GivenName>Johnny</GivenName>
        <Surname>Quest</Surname>
        <JobTitle>Corporate Travel Officer</JobTitle>
      </Name>
    </Names>
    <Addresses>
      <Address>
        <AddressLine>123 Main Street</AddressLine>
        <CityName>Chicago</CityName>
        <PostalCode>60606</PostalCode>
        <StateProv>IL</StateProv>
      </Address>
    </Addresses>
    <Phones>
      <Phone PhoneTechType="1" PhoneUseType="3" AreaCityCode="312"
PhoneNumber="555-1212"/>
      <Phone PhoneTechType="3" AreaCityCode="312" PhoneNumber="555-1234"/>
    </Phones>
    <Emails>
      <Email EmailType="2">johnny@quest.com</Email>
    </Emails>
    <URLs>
      <URL>http://www.quest.com</URL>
    </URLs>
    <CompanyName>Quest Corporation</CompanyName>
  </ContactInfo>
</ContactInfos>
</AccountSpecificInformation>
</RFP_TransientResponse>
</RFP_TransientResponses>
<MessageID Type="16" Instance="1" ID="12345777"/>
</OTA_HotelRFP_TransientNotifRQ>

```

8.22.1.2. Response: Corporate client responds that the message was successful.

Johnny Quest receives the message from LAXAP successfully.

OTA_HotelRFP_TransientNotifRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRFP_TransientNotifRS 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_HotelRFP_TransientNotifRS.xsd"
Version="1.0" EchoToken="954444" TimeStamp="2004-08-03T14:31:38-05:00">
  <Success/>
  <MessageID ID="12345777" Type="16"/>
</OTA_HotelRFP_TransientNotifRS>

```

8.23.OTA_HotelRoomingListRQ/RS

OTA hotel reservation messages prior to 2002B focus on transient business. The Rooming List message set expands into the groups (meetings and conventions) market and the tour (wholesale) market, which today are primarily handled through manual processes and/or proprietary systems. In the case of group or tour

reservations, travelers' reservations are booked into blocked space, instead of publicly available room inventory. Group blocks are date specific and tied to an event at a location, whereas tour blocks are generally a set number of rooms held at a location for an extended period of time (often an annual basis). The rooming list messages expand on the hotel message set to further automate a large section of hotel bookings. This message set automates some manual processes and provides the ability to create, modify, and cancel rooming list reservations.

8.23.1. Use Case 1

8.23.1.1. Request: Room List with Individual Names and Payments for each

This message assumes that the block at the hotel is already established: Sally S. Smith (s.smith@bpa.com) with meeting/planner agency "Builder's Planning Agency" (www.bpa.com) has established a block of 100 rooms at the Hilton New York for John Jones with the "National Association of Hotel Builders". Builder's Planning Agency will be sending a request to, and receiving a response directly from, the New York Hilton on the behalf of John Jones with the National Association of Hotel Builders. The block was set up 6 months in advance for June 10 – 15, 2003. The block cut-off was set at May 15, 2003 and all rooms must be guaranteed. The 100 rooms consisted of 50 rooms with double beds, 50 rooms with single beds, 5 of which are complimentary rooms based on the pick-up of 90% of the room block. The room rate, for both types of rooms, is the same at \$125 USD.

On March 15, 2003 the Builder's Planning Agency sends a request message to the Hilton New York, requesting 2 single rooms for two additional meeting attendees. The 2 single rooms only have one guest name attached to each. In addition, a form of payment via a credit card is attached to each room.

OTA_HotelRoomListRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRoomListRQ EchoToken="9876" Target="Production" Version="1.002"
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_HotelRoomListRQ.xsd">
  <POS>
    <Source>
      <RequestorID URL="http://www.bpa.com" Type="4" ID="123456789">
        <CompanyName Code="33345999" CodeContext="Internal"
          CompanyShortName="BPA">Builder's Planning Agency</CompanyName>
      </RequestorID>
    </Source>
  </POS>
  <HotelRoomLists>
    <HotelRoomList ChainCode="HH" HotelCode="123456" HotelCityCode="NYC" HotelName="New
      York Hilton" ChainName="Hilton">
      <UniqueID URL="http://www.bpa.com" Type="14" ID="123456789" ID_Context="Room List ID">
        <CompanyName Code="33345999" CodeContext="Internal"
          CompanyShortName="BPA">Builder's Planning Agency</CompanyName>
      </UniqueID>
      <Guests>
        <Guest GuestAction="Add-Update" PrintConfolnd="true">
          <PersonName>
            <NamePrefix>Ms.</NamePrefix>
          </PersonName>
        </Guest>
      </Guests>
    </HotelRoomList>
  </HotelRoomLists>
</OTA_HotelRoomListRQ>
```

```

        <GivenName>Kellie</GivenName>
        <MiddleName>Jean</MiddleName>
        <Surname>Darling</Surname>
    </PersonName>
    <Telephone CountryAccessCode="001" AreaCityCode="312" PhoneNumber="889-0000"
        Extension="564" PhoneUseType="3"/>
    <Address Type="2">
        <StreetNmbr>123</StreetNmbr>
        <BldgRoom>45</BldgRoom>
        <AddressLine>Yellow Wood Cove</AddressLine>
        <CityName>Chicago</CityName>
        <PostalCode>89776-0014</PostalCode>
        <StateProv StateCode="IL"/>
        <CountryName Code="US"/>
    </Address>
    <Email EmailType="2">KellieJean@att.com</Email>
    <Loyalty ProgramCode="HHonors" AccountID="906503678"/>
    <GuaranteePayment DetailType="Payment">
        <PaymentCard CardType="1" CardCode="AX" CardNumber="23456789066"
            ExpireDate="0205">
            <CardHolderName>Kellie Jean Darling</CardHolderName>
            <Address Type="4">
                <StreetNmbr>1516</StreetNmbr>
                <AddressLine>Maple St</AddressLine>
                <CityName>Chicago</CityName>
                <PostalCode>89776-0014</PostalCode>
                <StateProv StateCode="IL"/>
            </Address>
        </PaymentCard>
        <MasterAccountUsage BillingType="EachPaysOwn" SignFoodAndBev="false"/>
    </GuaranteePayment>
</Guest>
<Guest GuestAction="Add-Update" PrintConfoInd="true">
    <PersonName>
        <NamePrefix>Ms.</NamePrefix>
        <GivenName>Julie</GivenName>
        <MiddleName>Donna</MiddleName>
        <Surname>Miller</Surname>
    </PersonName>
    <Telephone CountryAccessCode="001" AreaCityCode="216" PhoneNumber="628-0060"
        Extension="896" PhoneUseType="3"/>
    <Address Type="2">
        <StreetNmbr>1223</StreetNmbr>
        <BldgRoom>451</BldgRoom>
        <AddressLine>Redwood Cove</AddressLine>
        <CityName>Cleveland</CityName>
        <PostalCode>44121</PostalCode>
        <StateProv StateCode="OH"/>
        <CountryName Code="US"/>
    </Address>
    <Email EmailType="2">JulieMiller@att.com</Email>
    <Loyalty ProgramCode="HHonors" AccountID="906503116"/>
    <GuaranteePayment DetailType="Payment">
        <PaymentCard CardType="1" CardCode="AX" CardNumber="23456789088"
            ExpireDate="0604">
            <CardHolderName>Julie Donna Miller</CardHolderName>
            <Address Type="4">
                <StreetNmbr>7826</StreetNmbr>
                <AddressLine>Park St</AddressLine>
                <CityName>Cleveland</CityName>
                <PostalCode>44121</PostalCode>
                <StateProv StateCode="OH"/>
            </Address>
        </PaymentCard>
        <MasterAccountUsage BillingType="EachPaysOwn" SignFoodAndBev="false"/>
    </GuaranteePayment>

```

```

</Guest>
</Guests>
<MasterContact ContactType="TravelArranger">
  <PersonName>
    <NamePrefix>Ms.</NamePrefix>
    <GivenName>Sally</GivenName>
    <MiddleName>S.</MiddleName>
    <Surname>Smith</Surname>
  </PersonName>
  <Telephone AreaCityCode="501" CountryAccessCode="001" Extension="7555"
    PhoneNumber="555-1212" PhoneUseType="3"/>
  <Address>
    <StreetNmbr>123</StreetNmbr>
    <BldgRoom>9</BldgRoom>
    <AddressLine>Sink St.</AddressLine>
    <CityName>Dallas</CityName>
    <PostalCode>75206</PostalCode>
    <StateProv>TX</StateProv>
    <CountryName>USA</CountryName>
  </Address>
  <Email EmailType="2">s.smith@bpa.com</Email>
</MasterContact>
<MasterAccount BillingType="EachPaysOwn" DirectBill_ID="123456789">
  <CompanyName Code="33345999" CodeContext="Internal"
    CompanyShortName="BPA">Builder's Planning Agency</CompanyName>
  <Address>
    <StreetNmbr>123</StreetNmbr>
    <BldgRoom>9</BldgRoom>
    <AddressLine>Sink St.</AddressLine>
    <CityName>Dallas</CityName>
    <PostalCode>75206</PostalCode>
    <StateProv>TX</StateProv>
    <CountryName>USA</CountryName>
  </Address>
</MasterAccount>
<RoomStays>
  <RoomStay>
    <RoomTypes>
      <RoomType RoomTypeCode="Single" NumberOfUnits="2"/>
    </RoomTypes>
    <RoomRates>
      <RoomRate>
        <Rates>
          <Rate>
            <Base AmountBeforeTax="125" CurrencyCode="USD"/>
          </Rate>
        </Rates>
      </RoomRate>
    </RoomRates>
    <TimeSpan Start="2003-06-10" End="2003-06-15"/>
  </RoomStay>
</RoomStays>
</HotelRoomList>
</HotelRoomLists>
</OTA_HotelRoomListRQ>

```

8.23.1.2. Response: Room List Received

The response message for this request is the confirmation number for each room and each person. In addition to the confirmation number for each guest, the address and phone number of each is returned.

OTA_HotelRoomListRS.XML

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelRoomListRS EchoToken="9876" Target="Production" Version="1.002"
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_HotelRoomListRS.xsd">
  <Success/>
  <HotelRoomLists>
    <HotelRoomList ChainCode="HH" HotelCode="123456" HotelCityCode="NYC" HotelName="New
      York Hilton" ChainName="Hilton">
      <UniquelD URL="http://www.bpa.com" Type="14" ID="123456789" ID_Context="Room List ID">
        <CompanyName Code="33345999" CodeContext="Internal"
          CompanyShortName="BPA">Builder's Planning Agency</CompanyName>
      </UniquelD>
      <Guests>
        <Guest GuestAction="Add-Update" PrintConfoInd="true">
          <PersonName>
            <NamePrefix>Ms.</NamePrefix>
            <GivenName>Kellie</GivenName>
            <MiddleName>Jean</MiddleName>
            <Surname>Darling</Surname>
          </PersonName>
          <Telephone CountryAccessCode="001" AreaCityCode="312" PhoneNumber="889-0000"
            Extension="564" PhoneUseType="3"/>
          <Address Type="2">
            <StreetNmbr>123</StreetNmbr>
            <BldgRoom>45</BldgRoom>
            <AddressLine>Yellow Wood Cove</AddressLine>
            <CityName>Chicago</CityName>
            <PostalCode>89776-0014</PostalCode>
            <StateProv StateCode="IL"/>
            <CountryName Code="US"/>
          </Address>
          <Email EmailType="2">KellieJean@att.com</Email>
          <UniquelD Type="14" ID="4896702"/>
        </Guest>
        <Guest GuestAction="Add-Update" PrintConfoInd="true">
          <PersonName>
            <NamePrefix>Ms.</NamePrefix>
            <GivenName>Julie</GivenName>
            <MiddleName>Donna</MiddleName>
            <Surname>Miller</Surname>
          </PersonName>
          <Telephone CountryAccessCode="001" AreaCityCode="216" PhoneNumber="628-0060"
            Extension="896" PhoneUseType="3"/>
          <Address Type="4">
            <StreetNmbr>1223</StreetNmbr>
            <BldgRoom>451</BldgRoom>
            <AddressLine>Redwood Cove</AddressLine>
            <CityName>Cleveland</CityName>
            <PostalCode>44121</PostalCode>
            <StateProv StateCode="OH"/>
            <CountryName Code="US"/>
          </Address>
          <Email EmailType="2">JulieMiller@att.com</Email>
          <UniquelD Type="14" ID="4896703"/>
        </Guest>
      </Guests>
    </HotelRoomList>
  </HotelRoomLists>
</OTA_HotelRoomListRS>
```

8.24.OTA_HotelSearchRQ/RS

The Hotel Search Request message provides the ability to search for a list of hotel properties that meet specified criteria.

This type of request message is often referred to as a ‘wide-area search’ because it typically searches for a list of hotels within a geographic area that may be fairly constrained or quite broad. For example, a list of all the hotels within New York City would be an extensive property search, potentially yielding a list in excess of 1,000 hotels (this figure is not based on any statistical data). Other geographic data, such as, proximity to a specific location, landmark, attraction or destination point, could be used to constrain the summary response to a limited number of hotels.

The search criteria must be fashioned in such a way that the response fulfills the criteria and returns enough data to add value, potentially a means for marketing a hotel. A single search request may specify a set of criterion (within a single criteria) to further narrow the list of properties returned. A single search request may also specify multiple criteria to allow an “either this, or this” scenario.

Property information returned needs to be more than just the name of the hotel chain and the hotel. It should include sufficient information to be able to select a specific property. Additional data that accompanies the response message assists the individual traveler, the travel agent or other booking source in selecting a target hotel. In addition to identifying the hotel by name and location, that data could include the type of hotel, its rating, a brief description of its services and facilities and any promotions as a means of marketing the property. The data returned can be used to perform an availability query on a specific property or multiple properties selected from the list. This functionality is supported today by Central Reservations Systems, which are able to do detailed queries once the requestor narrows his/her choice to the property level.

A wide area search can be implemented across system boundaries; outside of a single hotel chain or a GDS. However, one fundamental issue that affects the capability of doing a universal wide area search is that there must be a contractual agreement between the hotel and the booking source in order to list the property.

The business use case that supports this message identifies a customer or agent (person or system acting on behalf of the customer) that requests a list of properties based on some criteria. The first step in this use case is for the customer or requesting party to identify the criteria to be used.

The steps of the use case proceed as follows:

- The Customer or agent requests a list of properties based on the desired criteria.
- The system returns a list of properties that meet the criteria.

(The requirement to identify the search criteria needed is effectively a system-level precondition for the message to be formulated, since a search for all the hotels in the world would not be feasible nor a reasonable request).

Further steps could provide an additional refinement of the search by repeating the steps:

- The Customer or agent refines the desired criteria to narrow the list of properties.
- The system returns a list of properties that meet the refined criteria.

Possible business processing errors include:

- No properties are returned that meet the input criteria.
- The input criteria must be changed in order to return the desired information.

Example:

An OTA member is looking for a hotel for one night in order to attend the meeting that begins at 9:00 am the next day. While the primary request is for “hotels in Alexandria, VA,” the member may wish to include some other interest factor, such as distance from OTA offices, distance from Reagan National Airport, proximity to the King Street Metro station, etc. In addition, he/she may prefer to select a hotel from among those chains that honor a frequent guest membership. When the list of hotels that meet those preferences is returned, the final choice of hotel may be influenced by the attraction of restaurants or art galleries in nearby Old Town Alexandria that are marketed in conjunction with the hotel listing.

8.24.1. Use Case 1*

8.24.1.1. Request: Hotel Search

A traveler, Miss Priscilla Wallis, goes to the “CDEFG” travel agency located in Miami, Florida to book a hotel room in Paris during summer 2005. She does not know any hotels in Paris and wants to get a selection of hotel properties corresponding to her criteria:

- Ø The property should be located within 2 miles maximum from the Eiffel tower.
- Ø The property should have wireless internet access in the room
- Ø The property should have non smoking rooms
- Ø CNN must be available in the Room
- Ø There is no preference regarding the Hotel chain.

The travel agent from the “CDEFG” travel agency is requesting a hotel list on his terminal, based on the criteria provided by Miss Wallis. This request is sent to the “Super-HL” system using OTA_HotelSearchRQ.

The Vendor ID of the “CDEFG” travel agency is “FG”. The Code of the “Super-HL” system is “SH”.

OTA_HotelSearchRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelSearchRQ 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_HotelSearchRQ.xsd" EchoToken="HL"
  Target="Production" Version="1.003" PrimaryLangID="EN-US" ResponseType="PropertyList">
  <POS>
    <Source AirlineVendorID="FG" PseudoCityCode="MIA" ISOCountry="US" ISOCurrency="USD"
      AgentSine="A4444BM" AgentDutyCode="FR">
    </Source>
    <Source>
      <RequestorID Type="5" ID="12345675" ID_Context="IATA">
        <!--5 means travel agency-->
      </RequestorID>
    </Source>
  </POS>
  <Criteria>
    <Criterion>
      <RefPoint>EIFFEL TOWER</RefPoint>
      <CodeRef LocationCode="23" CodeContext="OTA-REF code list">
        <!--23 means monument location code-->
      </CodeRef>
      <HotelRef HotelCityCode="PAR"/>
      <Radius Distance="2" DistanceMeasure="MILES"/>
      <RoomAmenity RoomAmenity="74">
        <!-- 74 means non smoking-->
      </RoomAmenity>
      <RoomAmenity RoomAmenity="158">
        <!--158 means CNN is in the room -->
      </RoomAmenity>
      <RoomAmenity RoomAmenity="123">
        <!--123 means wireless internet access-->
      </RoomAmenity>
    </Criterion>
  </Criteria>
</OTA_HotelSearchRQ>
```

8.24.1.2. Response: Hotel Search

The “Super-HL” system consults its hotel lists and descriptions and builds a list of the hotels corresponding to the requested criteria which is then sent to the “CDEFG” travel agent’s terminal using OTA_HotelSearchRS.

A list of 8 hotels matching all the requested criteria is sent back to the travel agent.

The travel agent provides this hotel list to Miss Wallis and invites her to select the property of her choice from that list.

For each hotel selected the Super-HL system provides the following information:

- Ø Name
- Ø Hotel chain
- Ø Relative position (N-S-E-W) of the hotel from the point of reference requested (Eiffel Tower)
- Ø Distance of the hotel from the point of reference
- Ø Transportation available at the hotel location

The criteria used for the hotel search request are replicated in the response message.

Below is the list of hotels returned by the “Super-HL” system.

Hotel Chain	Hotel name	Radius	Transportation
EU	LE MARQUIS EIFFEL	0.4M-S	Taxi
UI	MONTAIGNE HOTEL	0.7M-E	Taxi
AC	ATEL TROCADERO LA TOUR	0.7M-W	Taxi
EU	EXCLUSIVE SPLENDID EIFFEL	0.7M-E	Taxi
UI	WALDORF CHATEAUBRIAND	1.1M-N	Taxi
HY	HYATT REGENCY PARIS MADELEINE	1.6M-E	Taxi
LE	HOTEL DE BUCI	1.7M-E	Taxi
GW	VICTORIA PALACE HOTEL	2.0M-E	Taxi

OTA_HotelSearchRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelSearchRS 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_HotelSearchRS.xsd" EchoToken="HL"
Target="Production" Version="1.003" PrimaryLangID="EN-US">
  <Success/>
  <Properties>
    <Property ChainCode="EU" HotelCode="abc123" HotelCityCode="PAR" HotelName="Le Marquis
Eiffel" HotelCodeContext="SH">
      <!--The hotel code is created by the Super-HL system , it is not provided to the customer, it can be
used as a reference for follow up entries sent to the Super-HL system -->
      <RelativePosition Direction="S" Distance="0.4" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
          <!--20 represents Taxi as the property's main transportation-->
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="UI" HotelCode="abc234" HotelCityCode="PAR" HotelName="Montaigne
Hotel" HotelCodeContext="SH">
      <RelativePosition Direction="E" Distance="0.7" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
  </Properties>
</OTA_HotelSearchRS>
```



```

    <Property ChainCode="AC" HotelCode="abc678" HotelCityCode="PAR" HotelName="Atel Trocadero
La Tour" HotelCodeContext="SH">
      <RelativePosition Direction="W" Distance="0.7" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="EU" HotelCode="abc999" HotelCityCode="PAR" HotelName="Exclusive
Splendid Eiffel" HotelCodeContext="SH">
      <RelativePosition Direction="E" Distance="0.7" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="UI" HotelCode="gde456" HotelCityCode="PAR" HotelName="Waldorf
Chataubriand" HotelCodeContext="SH">
      <RelativePosition Direction="N" Distance="1.1" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="HY" HotelCode="jkl456" HotelCityCode="PAR" HotelName="Hyatt Regency
Paris Madeleine" HotelCodeContext="SH">
      <RelativePosition Direction="E" Distance="1.6" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="LE" HotelCode="hjk999" HotelCityCode="PAR" HotelName="Hotel De Buci"
HotelCodeContext="SH">
      <RelativePosition Direction="E" Distance="1.7" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
    <Property ChainCode="GW" HotelCode="yyy555" HotelCityCode="PAR" HotelName="Victoria Palace
Hotel" HotelCodeContext="SH">
      <RelativePosition Direction="E" Distance="2.0" DistanceUnitName="Mile">
        <Transportations>
          <Transportation TransportationCode="20"/>
        </Transportations>
      </RelativePosition>
    </Property>
  </Properties>
  <Criteria>
    <Criterion ExactMatch="true">
      <!--The point of reference provided by the customer was the Eiffel Tower-->
      <RefPoint>EIFFEL TOWER</RefPoint>
      <CodeRef LocationCode="23">
        <!--the Location code is a "Monument"-->
      </CodeRef>
      <HotelRef HotelCityCode="PAR"/>
      <Radius Distance="2" DistanceMeasure="miles">
        <!--The hotel listed should be within 2 miles from the Eiffel Tower-->
      </Radius>
      <RoomAmenity RoomAmenity="74">
        <!--74 represents non smoking room code-->
      </RoomAmenity>
      <RoomAmenity RoomAmenity="158">
        <!--158 represents CNN available in the room-->
      </RoomAmenity>
    </Criterion>
  </Criteria>

```

```

        <RoomAmenity RoomAmenity="123">
            <!--123 represents wireless internet access-->
        </RoomAmenity>
    </Criterion>
</Criteria>
</OTA_HotelSearchRS>

```

8.25.OTA_HotelStats

Statistics provide two separate request/response pairs of messages to support the functionality of updating other systems with statistical data. The first message set assumes a push model, with the reporting system (typically a Property Management System – PMS) pushing the data to the Management Company or Central Reservation Office. The second message set assumes a pull model, where the centralized system requests a specific report (as agreed by trading partners) for a specific fiscal date.

In the push model, the sending system will send a report using the OTA_HotelStatsNotifRQ message. The receiving system will acknowledge its receipt of that report using the OTA_HotelStatsNotifRS message.

In the pull model, the central system will request a report using the OTA_HotelStatsRQ message. In this message, the report and fiscal date are identified. The receiving system (typically a PMS) responds with the OTA_HotelStatsRS message, which includes the report itself. All messages assume the no-state model, meaning that the sending system will initiate the transaction and expect a response from the receiving system. All message responses include the request identification. Responses may be returned in any order.

- **OTA_HotelStatsNotifRQ**—Sends a report to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_HotelStatsNotifRS**—Returns acknowledgement that the report has been successfully received, or includes Warnings from business processing rules or errors if the request did not succeed.
- **OTA_HotelStatsRQ**—Sends a request for a report to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_HotelStatsRS**—Returns the requested report if the request can be processed, or includes Warnings from business processing rules or Errors if the request did not succeed.

8.25.1. Use Case 1

This use case was derived from the use case for OTA_HotelStatsNotifRQ/RS. Refer to that section for details on the data being exchanged.

8.25.1.1. Request: RMS requests report previously sent via OTA_HotelStatsNotifRQ message be resent.

The RMS user selects an option to have the RMS send the CRS a request for the previously received report to be resent and reprocessed. This is accomplished by sending the report code and the fiscal date of the report as well as the hotel and chain code in the request message.

OTA_HotelStatsRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsRQ 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_HotelStatsRQ.xsd" EchoToken="963642"
  TimeStamp="2004-12-02T09:30:47-05:00" Target="Production" Version="1.002" SequenceNmbr="1"
  PrimaryLangID="en-us">
  <RequestedHotels>
    <RequestedHotel ChainCode="1571" HotelCode="0001">
      <RequestedReports>
        <RequestedReport FiscalDate="2004-12-01" ReportCode="IDeaSTotalReport_v1.0"/>
      </RequestedReports>
    </RequestedHotel>
  </RequestedHotels>
</OTA_HotelStatsRQ>
```

8.25.1.2. Response: Resend RMS Report

The response message has the same internal structure as the OTA_HotelStatNotifRQ message, with different outside elements to relate it to the request in the OTA_HotelStatRQ message.

OTA_HotelStatsRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsRS 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_HotelStatsRS.xsd" EchoToken="String" TimeStamp="2004-12-02T09:30:47-05:00" Target="Production"
  Version="1.002" TransactionIdentifier="String" SequenceNmbr="1" TransactionStatusCode="Start"
  PrimaryLangID="en-us">
  <Success/>
  <Statistics>
    <Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2004-12-01"
    ReportCode="IDeaSCurrentTotalReport_v1.0">
      <StatisticApplicationSets>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
          <StatisticCodes>
            <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
          </StatisticCodes>
          <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC"
            Amount="10987.50"/>
          </RevenueCategorySummaries>
          <CountCategorySummaries>
            <CountCategorySummary SummaryCount="66" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="1" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="57" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="28" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="21" CountCategoryCode="13.CNT"/>
          </CountCategorySummaries>
        </StatisticApplicationSet>
      </Statistic>
    </Statistics>
  </OTA_HotelStatsRS>
```

```

        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="2197.50"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="13" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="11" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="5" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="4" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="1465.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="8" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="7" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="3" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="2" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2005-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="66" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2005-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="13" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>

```

```

<StatisticApplicationSet Start="2005-12-02" Duration="P1D">
  <StatisticCodes>
    <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
  </StatisticCodes>
  <RevenueCategorySummaries>
    <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
  </RevenueCategorySummaries>
  <CountCategorySummaries>
    <CountCategorySummary SummaryCount="8" CountCategoryCode="8.CNT"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
    <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
  </CountCategorySummaries>
</StatisticApplicationSet>
</StatisticApplicationSets>
</Statistic>
</Statistics>
</OTA_HotelStatsRS>

```

8.26.OTA_HotelStatsNotifRQ/RS

- **OTA_HotelStatsNotifRQ**—Sends a report to another system. All the elements and attributes are optional, unless otherwise stated as required.
- **OTA_HotelStatsNotifRS**—Returns acknowledgement that the report has been successfully received, or includes Warnings from business processing rules or errors if the request did not succeed.

8.26.1. Use Case 1

8.26.1.1. Request: Send RMS Inputs

The Reservation System sends IDEaS data on December 2nd 2004 for Inn on Fifth Hotel after completing the end of day process for December 1st, 2004.

In the data set for each property there are two reports: Current Total Data and Current Segment Data. The Current Total Report sends the following values by Room Type for the next 365 days: Room Capacity, Rooms Out of Order, Rooms Not Available (not including Out of Order), Rooms Sold, Room Arrivals, Room Departures, Total Revenue, Room Revenue and F&B (Food and Beverage) Revenue. The Current Segment Report sends the following values by Market Segment and Room Type for the next 365 days: Rooms Sold, Room Arrivals, Room Departures, Total Revenue, Room Revenue, and F&B Revenue.

The data for the first and the last day in each report is as shown in the tables below, as will be in the sample XML files. The column names have been abbreviated to accommodate the tables. Their descriptions are given here:

Arr	Room Arrivals
Cap	Room Capacity
Dep	Room Departures
NFS	Rooms Not Available for Other (Not For Sale)
OccDate	Occupancy Date

OOO Rooms Not Available for Maintenance (Out Of Order)
 RmType Room Type
 Seg Market Segment
 Sold Rooms Sold
 TotRev Total Revenue

Table 1: Current Total Report

OccDate	RmType	Cap	OOO	NFS	Sold	Arr	Dep	TotRev
2004-12-02	STD	66	1	0	57	28	21	10987.50
2004-12-02	DLX	13	0	0	11	5	4	2197.50
2004-12-02	STE	8	0	0	7	3	2	1465.00
...								
2005-12-01	STD	66	0	0	0	0	0	0.00
2005-12-01	DLX	13	0	0	0	0	0	0.00
2005-12-01	STE	8	0	0	0	0	0	0.00

Table 2: Current Segment Report

OccDate	Seg	RmType	Sold	Arr	Dep	TotRev
2004-12-02	COR	STD	11	6	9	1392.75
2004-12-02	COR	DLX	1	0	1	278.55
2004-12-02	COR	STE	1	0	1	185.70
2004-12-02	DIS	STD	19	12	5	3825.00
2004-12-02	DIS	DLX	3	2	0	765.00
2004-12-02	DIS	STE	2	1	0	510.00
2004-12-02	WS	STD	15	6	4	2114.25
2004-12-02	WS	DLX	2	0	0	422.85
2004-12-02	WS	STE	1	0	0	281.90
...						
2005-12-01	COR	STD	0	0	0	0.00
2005-12-01	COR	DLX	0	0	0	0.00
2005-12-01	COR	STE	0	0	0	0.00
2005-12-01	DIS	STD	0	0	0	0.00
2005-12-01	DIS	DLX	0	0	0	0.00
2005-12-01	DIS	STE	0	0	0	0.00
2005-12-01	WS	STD	0	0	0	0.00
2005-12-01	WS	DLX	0	0	0	0.00
2005-12-01	WS	STE	0	0	0	0.00

OTA_HotelStatsNotifRQ.xml

The XML message shown below is sent from the CRS to the RMS.

The following notes should help understand how the message was composed.

1. There are two Statistic elements indicating two reports are sent.
2. The attribute FiscalDate in both Statistic elements is set to December 1st, 2004 indicating the date just closed by the end of day process.

3. The attribute ReportCode in the first Statistic element is set to IDEaSTotalReport_v1.0 indicating a pre-defined report agreed between the two partners that provides data grouped by Room Types.
4. The attribute ReportCode in the second Statistic element is set to IDEaSMarketReport_v1.0 indicating another pre-defined report agreed between the two partners that provides data grouped by Market Segments and Room Types.
5. There are three StatisticApplicationSet elements in the first report for each date, corresponding to the three room types defined in the system: STD, DLX, and STE.
6. There are nine StatisticApplicationSet elements in the second report for each date. One for each combination of the three Market Segments (COR, DIS, and WS) and the three Room Types (STD, DLX, and STE).
7. There is only one StatisticCode element in each StatisticApplicationSet element in the first report, defining the Room Type code. There are two StatisticCode elements in each StatisticApplicationSet in the second report, one defining the Market Segment code and the other defining the Room Type code.
8. There is only one RevenueCategorySummary element in both reports with the Total Revenue amount, indicated by the value 17.RCC in the RevenueCategoryCode attribute.
9. There are six CountCategorySummary elements in the first report: Physical Capacity (8.CNT), Rooms Out of Order (9.CNT), Rooms not Available (10.CNT), Rooms Sold (11.CNT), Room Arrivals (12.CNT) and Room Departures (13.CNT).
10. There are three CountCategorySummary elements in the second report: Rooms Sold (11.CNT), Room Arrivals (12.CNT) and Room Departures (13.CNT).

```
<?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="2004-12-01"
ReportCode="IDEaSTotalReport_v1.0">
      <StatisticApplicationSets>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
          <StatisticCodes>
            <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
          </StatisticCodes>
          <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC"
Amount="10987.50"/>
          </RevenueCategorySummaries>
          <CountCategorySummaries>
            <CountCategorySummary SummaryCount="66" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="1" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="57" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="28" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="21" CountCategoryCode="13.CNT"/>
          </CountCategorySummaries>
        </StatisticApplicationSet>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
```



```

    <StatisticCodes>
      <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
    </StatisticCodes>
    <RevenueCategorySummaries>
      <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="2197.50"/>
    </RevenueCategorySummaries>
    <CountCategorySummaries>
      <CountCategorySummary SummaryCount="13" CountCategoryCode="8.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
      <CountCategorySummary SummaryCount="11" CountCategoryCode="11.CNT"/>
      <CountCategorySummary SummaryCount="5" CountCategoryCode="12.CNT"/>
      <CountCategorySummary SummaryCount="4" CountCategoryCode="13.CNT"/>
    </CountCategorySummaries>
  </StatisticApplicationSet>
  <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
    <StatisticCodes>
      <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
    </StatisticCodes>
    <RevenueCategorySummaries>
      <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="1465.00"/>
    </RevenueCategorySummaries>
    <CountCategorySummaries>
      <CountCategorySummary SummaryCount="8" CountCategoryCode="8.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
      <CountCategorySummary SummaryCount="7" CountCategoryCode="11.CNT"/>
      <CountCategorySummary SummaryCount="3" CountCategoryCode="12.CNT"/>
      <CountCategorySummary SummaryCount="2" CountCategoryCode="13.CNT"/>
    </CountCategorySummaries>
  </StatisticApplicationSet>
  <StatisticApplicationSet Start="2005-12-02" Duration="P1D">
    <StatisticCodes>
      <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
    </StatisticCodes>
    <RevenueCategorySummaries>
      <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
    </RevenueCategorySummaries>
    <CountCategorySummaries>
      <CountCategorySummary SummaryCount="66" CountCategoryCode="8.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
    </CountCategorySummaries>
  </StatisticApplicationSet>
  <StatisticApplicationSet Start="2005-12-02" Duration="P1D">
    <StatisticCodes>
      <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
    </StatisticCodes>
    <RevenueCategorySummaries>
      <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
    </RevenueCategorySummaries>
    <CountCategorySummaries>
      <CountCategorySummary SummaryCount="13" CountCategoryCode="8.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
      <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
    </CountCategorySummaries>
  </StatisticApplicationSet>
  <StatisticApplicationSet Start="2005-12-02" Duration="P1D">
    <StatisticCodes>
      <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
    </StatisticCodes>

```



```

        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="0.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="8" CountCategoryCode="8.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="9.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="10.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
</StatisticApplicationSets>
</Statistic>
<Statistic ChainCode="1571" HotelCode="0001" FiscalDate="2004-12-01"
ReportCode="IDeaSMarketReport_v1.0">
    <StatisticApplicationSets>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
            <StatisticCodes>
                <StatisticCode StatCode="COR" StatCategoryCode="1.SCC"/>
                <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
            </StatisticCodes>
            <RevenueCategorySummaries>
                <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="1392.75"/>
            </RevenueCategorySummaries>
            <CountCategorySummaries>
                <CountCategorySummary SummaryCount="11" CountCategoryCode="11.CNT"/>
                <CountCategorySummary SummaryCount="6" CountCategoryCode="12.CNT"/>
                <CountCategorySummary SummaryCount="9" CountCategoryCode="13.CNT"/>
            </CountCategorySummaries>
        </StatisticApplicationSet>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
            <StatisticCodes>
                <StatisticCode StatCode="COR" StatCategoryCode="1.SCC"/>
                <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
            </StatisticCodes>
            <RevenueCategorySummaries>
                <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="278.55"/>
            </RevenueCategorySummaries>
            <CountCategorySummaries>
                <CountCategorySummary SummaryCount="1" CountCategoryCode="11.CNT"/>
                <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
                <CountCategorySummary SummaryCount="1" CountCategoryCode="13.CNT"/>
            </CountCategorySummaries>
        </StatisticApplicationSet>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
            <StatisticCodes>
                <StatisticCode StatCode="COR" StatCategoryCode="1.SCC"/>
                <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
            </StatisticCodes>
            <RevenueCategorySummaries>
                <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="185.70"/>
            </RevenueCategorySummaries>
            <CountCategorySummaries>
                <CountCategorySummary SummaryCount="1" CountCategoryCode="11.CNT"/>
                <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
                <CountCategorySummary SummaryCount="1" CountCategoryCode="13.CNT"/>
            </CountCategorySummaries>
        </StatisticApplicationSet>
        <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
            <StatisticCodes>
                <StatisticCode StatCode="DIS" StatCategoryCode="1.SCC"/>
                <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
            </StatisticCodes>
            <RevenueCategorySummaries>

```

```

        <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="3825.00"/>
    </RevenueCategorySummaries>
    <CountCategorySummaries>
        <CountCategorySummary SummaryCount="19" CountCategoryCode="11.CNT"/>
        <CountCategorySummary SummaryCount="12" CountCategoryCode="12.CNT"/>
        <CountCategorySummary SummaryCount="5" CountCategoryCode="13.CNT"/>
    </CountCategorySummaries>
</StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="DIS" StatCategoryCode="1.SCC"/>
            <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="765.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="3" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="2" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="DIS" StatCategoryCode="1.SCC"/>
            <StatisticCode StatCode="STE" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="510.00"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="2" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="1" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="WS" StatCategoryCode="1.SCC"/>
            <StatisticCode StatCode="STD" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="2114.25"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="15" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="6" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="4" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>
            <StatisticCode StatCode="WS" StatCategoryCode="1.SCC"/>
            <StatisticCode StatCode="DLX" StatCategoryCode="3.SCC"/>
        </StatisticCodes>
        <RevenueCategorySummaries>
            <RevenueCategorySummary RevenueCategoryCode="17.RCC" Amount="422.85"/>
        </RevenueCategorySummaries>
        <CountCategorySummaries>
            <CountCategorySummary SummaryCount="2" CountCategoryCode="11.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
            <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
    </StatisticApplicationSet>
    <StatisticApplicationSet Start="2004-12-02" Duration="P1D">
        <StatisticCodes>

```

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```

        <CountCategorySummaries>
          <CountCategorySummary SummaryCount="0" CountCategoryCode="11.CNT"/>
          <CountCategorySummary SummaryCount="0" CountCategoryCode="12.CNT"/>
          <CountCategorySummary SummaryCount="0" CountCategoryCode="13.CNT"/>
        </CountCategorySummaries>
      </StatisticApplicationSet>
    </StatisticApplicationSets>
  </Statistic>
</Statistics>
</OTA_HotelStatsNotifRQ>

```

8.26.1.2. Response: Acknowledge RMS Inputs

A response message is sent acknowledging the request message was successful.

OTA_HotelStatsNotifRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_HotelStatsNotifRS 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_HotelStatsNotifRS.xsd"
  EchoToken="952698" TimeStamp="2004-12-02T02:35:47-05:00" Target="Production" Version="1.002"
  PrimaryLangID="en-us">
  <Success/>
</OTA_HotelStatsNotifRS>

```

8.27. OTA_HotelStayInfoNotifRQ/RS

Stay Information Notification provides a request/response pair of messages to support the functionality of updating other systems with Guest Stay Information. The message set assumes a push model, with the reporting system (typically a Property Management System – PMS) pushing the data to the Management Company or Central Reservation Office that is responsible for accumulating the information.

In the push model, the sending system will send a report using the OTA_HotelStayInfoNotifRQ message. The receiving system will acknowledge its receipt of that report using the OTA_HotelStayInfoNotifRS message. All message responses include the request identification. Responses may be returned in any order.

8.27.1. Use Case 1 (TBD)

TBD

8.27.1.1. Request: Hotel Stay Information Notification

TBD

OTA_HotelStayInfoNotifRQ.xml

TBD

8.27.1.2. Response: Hotel Stay Information Notification

TBD

OTA_HotelStayInfoNotifRS.xml

TBD

8.28.OTA_HotelSummaryNotifRQ/RS

The Hotel Summary Notification message notifies a booking source of the general availability status of the hotel; indicating whether it is Open, Closed, or OnRequest, which means that a hotel is available to take reservations but is limited by restrictions. This notification can be used to update the status of the hotel and may be coupled with other notifications, such as the Booking Rule, Availability, or Rate Amount notifications to convey the general availability, rates, and restrictions in effect at a given time.

The availability status of a hotel may be affected by Yield Management System calculations. On a historical basis, a specific period of time may support higher rates or greater occupancy and thus limit the general availability of the hotel. Rate hurdles establish an open/closed situation based upon the number of units available. If a hotel is open, the Hotel Summary Notification message communicates the minimum and maximum rate at which bookings can be made. As the rates and availability of a hotel property change, status messages are sent frequently (often daily) to reservation sources to notify them of the availability of the hotel for booking purposes.

During a particularly busy time, a hotel may be partially booked with only a few rate plans or room types remaining available. When a travel agent contacts that hotel to book a reservation for the guest, a message may be returned indicating that the hotel is “On Request”. This means that the property has some availability and the requesting system needs to make another request using a Hotel Availability Request to determine the specific availability. A return of “On Request” indicates that a hotel is not closed, but is sufficiently full that a booking request may fail depending upon what is requested.

8.28.1. Use Case 1 (TBD)

TBD

8.28.1.1. Request: Hotel Summary Notification

TBD

OTA_HotelSummaryNotifRQ.xml

TBD

8.28.1.2. Response: Hotel Summary Notification

TBD

OTA_HotelSummaryNotifRS.xml

TBD

8.29.OTA_MeetingProfile

Meeting Profile provides the support for the functionality of creating and updating other systems with meeting profile or group business data. The document assumes a push model, with the sending system pushing the data to another system. The sending system would usually be a meeting source, such as a Sales and Catering system or an RFP site, with the receiving system being a PMS or another Sales and Catering system.

The business model assumes that the sending system either has the authority to take a reservation, or is passing along a message from such a system. The message is a notification of the creation, modification, or cancellation of a meeting, and does not require the receiving system to confirm the booking, only the receipt of the message. The responding system may add its own data (such as its own confirmation ID) and include that data in the response message.

8.29.1. Use Case 1 (TBD)

TBD

8.29.1.1. Request: Hotel Meeting Profile

TBD

OTA_MeetingProfileRQ.xml

TBD

8.29.1.2. Response: Hotel Meeting Profile

TBD

OTA_MeetingProfileRS.xml

TBD

Section 9—Insurance

9.1. OTA_InsuranceBookRQ/RS

The insurance book request message resembles the insurance quote request in structure and contents. The insurance book request is contained within the <OTA_InsuranceBookRQ> root element and contains one or more <PlanForBookRQ> elements.

The insurance book response returns to the requestor the details about the insurance plan(s) booked as well as confirms the information that was sent with the insurance book request message.

9.1.1. Use Case 1

9.1.1.1. Request: Book Insurance

Jane Smith wants to purchase flight accident insurance for her husband John who will making one trip that will not last more than 15 days. The cost of the trip is \$480.00 and she wants to purchase \$100,000 worth of coverage. She will be charging the cost of the insurance to John's credit card.

A request message is sent that includes the name of the covered person, the customer purchasing the insurance, address information on both, an emergency contact, and details concerning the required coverage and how it will be charged.

OTA_InsuranceBookRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsuranceBookRQ 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_InsuranceBookRQ.xsd" EchoToken="18723222" TimeStamp="2003-03-31T16:13:08Z"
  Target="Production" Version="1.002" SequenceNbr="1569">
  <PlanForBookRQ PlanID="ACME" Type="7">
    <CoveredTravelers>
      <CoveredTraveler>
        <CoveredPerson Relation="Traveler 1" BirthDate="1948-06-13">
          <GivenName>John</GivenName>
          <Surname>Smith</Surname>
        </CoveredPerson>
        <Address>
          <AddressLine>555 Delivery Lane</AddressLine>
          <CityName>Alexandria</CityName>
          <PostalCode>22314</PostalCode>
          <StateProv StateCode="VA"/>
          <CountryName Code="US"/>
        </Address>
        <EmergencyContact Relation="Wife" EmergencyFlag="true">
          <PersonName>
            <GivenName>Jane</GivenName>
            <Surname>Smith</Surname>
          </PersonName>
          <Telephone AreaCityCode="703" PhoneNumber="555-5554"/>
        </EmergencyContact>
      </CoveredTraveler>
    </CoveredTravelers>
  </PlanForBookRQ>
</OTA_InsuranceBookRQ>
```



```

        </EmergencyContact>
        <IndCoverageReqs>
            <IndTripCost Amount="480.00" CurrencyCode="USD"/>
            <FlightAccidentAmount Amount="100000.00" CurrencyCode="USD"/>
        </IndCoverageReqs>
    </CoveredTraveler>
</CoveredTravelers>
<InsCoverageDetail Type="SingleTrip">
    <TotalTripQuantity Quantity="1"/>
    <MaximumTripLength>P15D</MaximumTripLength>
    <TotalTripCost Amount="480.00" CurrencyCode="USD"/>
</InsCoverageDetail>
<InsuranceCustomer>
    <PersonName>
        <GivenName>Jane</GivenName>
        <Surname>Smith</Surname>
    </PersonName>
    <Address>
        <AddressLine>555 Delivery Lane</AddressLine>
        <CityName>Alexandria</CityName>
        <PostalCode>22314</PostalCode>
        <StateProv StateCode="VA"/>
        <CountryName Code="US"/>
    </Address>
    <PaymentForm>
        <PaymentCard CardType="1" CardCode="VI" CardNumber="4111111111111111"
ExpireDate="0610">
            <CardHolderName>John P. Smith</CardHolderName>
            <Address>
                <StreetNmbr PO_Box="1000">333</StreetNmbr>
                <BldgRoom>1</BldgRoom>
                <AddressLine>John Carlye Street</AddressLine>
                <CityName>Alexandria</CityName>
                <PostalCode>38921</PostalCode>
                <StateProv StateCode="VA"/>
                <CountryName Code="US"/>
            </Address>
        </PaymentCard>
    </PaymentForm>
</InsuranceCustomer>
    <PlanCost Amount="55.25" CurrencyCode="USD">
    </PlanCost>
</PlanForBookRQ>
</OTA_InsuranceBookRQ>

```

9.1.1.2. Response: Book Insurance

The response received includes policy information such as the policy number, effective dates, a breakdown of the costs, and contact information of the insuring company.

OTA_InsuranceBookRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsuranceBookRS 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_InsuranceBookRS.xsd" EchoToken="18723222" TimeStamp="2003-03-31T16:13:08Z"
Target="Production" Version="1.002" SequenceNmbr="1569">
    <Success/>
    <PlanForBookRS PlanID="ACME" Type="7">
        <PolicyDetail OrderDate="2003-03-31" EffectiveDate="2003-04-03" ExpireDate="2003-04-30">
            <PolicyNumber Type="14" ID="ACME20031001P">

```

```

</PolicyNumber>
<RefNumber Type="16" ID="1011" ID_Context="M.I.S.C Invoice Number">
</RefNumber>
</PolicyDetail>
<PlanCost Amount="55.25" CurrencyCode="USD">
  <BasePremium Amount="50.00" CurrencyCode="USD"/>
  <Charges>
    <Charge TaxInclusive="false" Type="Exclusive">
      <Taxes>
        <Tax Code="21" Amount="1.25" CurrencyCode="USD">
          <TaxDescription Name="2.5% Insurance Tax">
            <Text Formatted="false" Language="En"/>
          </TaxDescription>
        </Tax>
      </Taxes>
    </Charge>
    <Charge TaxInclusive="false" Type="Inclusive" Amount="4.00" CurrencyCode="USD">
      <Description Name="US processing fee">
        <Text Formatted="false" Language="En"/>
      </Description>
    </Charge>
  </Charges>
</PlanCost>
<Contact ContactType="CallCenter">
  <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="800"
  PhoneNumber="555-5556"/>
</Contact>
<Contact ContactType="Claims Department">
  <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="800"
  PhoneNumber="555-5555" Extension="123" DefaultInd="false"/>
  <Address DefaultInd="false">
    <AddressLine>Acme Claims Department</AddressLine>
    <CityName>Alexandria</CityName>
    <PostalCode>22314</PostalCode>
    <StateProv StateCode="VA"/>
    <CountryName Code="US"/>
  </Address>
</Contact>
</PlanForBookRS>
</OTA_InsuranceBookRS>

```

9.2. OTA_InsurancePlanSearchRQ/RS

The OTA Insurance Plan Search messages provide a method for insurance agents and 3rd party vendors to obtain a list of available insurance products, as well as perform searches to find insurance products that meet certain requirements (length of coverage, number of travelers, residence/citizenship restrictions, etc) from an insurance company or intermediary.

To perform a basic product search to discover what plans are available, an insurance agent or vendor would only need to pass some form of acceptable identification to the insurance provider (insurance agency number, affiliate program id, etc). The basic product search response would return a list of insurance products available to the selling agent, along with full descriptions of the products and insurance providers (if requested).

The Insurance Plan Search message also provides more advanced search functionality. In addition to identification, the searching agent may also indicate length of trip to be insured, specifics about the traveling individuals, benefit

needs, destinations, etc. This more specific product search response would return a group of insurance products that most closely meets the requirements of the search parameters, along with full descriptions of the products and insurance providers (if requested).

9.2.1. Use Case 1

9.2.1.1. Request: Agent Search for Available Plans

An agent (Agent123) of InsComp Insurance Company wants a list of available plans. A request is sent to InsComp to retrieve plans offered. InsComp offers a variety of plans. Not all plans that InsComp offers can be sold by Agent123.

Agent123 sends a request containing his/her agency Id number to the InsComp system responsible for advising on available plans.

OTA_InsurancePlanSearchRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsurancePlanSearchRQ TimeStamp="2003-09-11T09:30:47-05:00" Target="Production"
Version="1.002" DetailResponse="0" 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_InsurancePlanSearchRQ.xsd">
  <POS>
    <Source>
      <RequestorID URL="http://www.inscomp.com" Type="20" ID="Agent123">
        <CompanyName>InsComp Insurance Company</CompanyName>
      </RequestorID>
    </Source>
  </POS>
</OTA_InsurancePlanSearchRQ>
```

9.2.1.2. Response: Available Plans

In response, InsComp sends back information on the plans that may be sold by Agent123. There are 6 plans Comprehensive - Silver, Comprehensive - Gold, Comprehensive - Platinum, Emergency Medical Evacuation, Travel Medical - Silver, Travel Medical - Gold. The plan listings expire after 30 days.

OTA_InsurancePlanSearchRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsurancePlanSearchRS TimeStamp="2003-09-11T09:30:47-05:00" Target="Production"
Version="1.001" 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_InsurancePlanSearchRS.xsd">
  <Success/>
  <AvailablePlans>
    <AvailablePlan Featured="true" PlanID="ComplnsPlan" Name="Comprehensive Protection Plan"
Type="Silver" TypeID="s" EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
    <AvailablePlan Featured="true" PlanID="ComplnsPlan" Name="Comprehensive Protection Plan"
Type="Gold" TypeID="g" EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
    <AvailablePlan Featured="true" PlanID="ComplnsPlan" Name="Comprehensive Protection Plan"
Type="Platinum" TypeID="p" EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
  </AvailablePlans>
</OTA_InsurancePlanSearchRS>
```

```

    <AvailablePlan Featured="true" PlanID="InsProtPlan I" Name="Insurance Protection Plan I"
EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
    <AvailablePlan Featured="false" PlanID="InsProtPlan II" Name="Insurance Protection Plan II"
EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
    <AvailablePlan Featured="false" PlanID="MedEvac" Name="Emergency Medical Evacuation Plan"
EffectiveDate="2003-09-11" ExpireDate="2003-10-10"/>
  </AvailablePlans>
</OTA_InsurancePlanSearchRS>

```

9.2.2. Use Case 2

9.2.2.1. Request: Agent Search for Available Plans with Specific Information

An insurance agent (Agent123) is querying an insurance company (InsComp) to learn what travel protection products are available for his clients (John and Jane Doe) who are about to leave on a 15 day vacation. The following information is known: The agency Id assigned by the insurance company to Agent123, the ages of the travelers, and the length of their trip.

Agent123 sends a request to the insurance company containing his/her agency Id number and some specific information about the Doe's upcoming trip. Agent123 has requested that detailed information about the available plans be returned along with the names and identifiers of the insurance products

OTA_InsurancePlanSearchRQ2.xml

```

<OTA_InsurancePlanSearchRQ TimeStamp="2003-09-11T09:30:47-05:00" Target="Production"
Version="1.002" DetailResponse="1" 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_InsurancePlanSearchRQ.xsd">
  <POS>
    <Source>
      <RequestorID URL="http://www.inscomp.com" Type="20" ID="Agent123">
        <CompanyName>InsComp Insurance Company</CompanyName>
      </RequestorID>
    </Source>
  </POS>
  <CoveragePreferences>
    <CoveragePreference CoverageType="7" Covered="1"/>
  </CoveragePreferences>
  <SearchTripInfo>
    <CoveredTrips>
      <CoveredTrip Duration="P0Y0M15D">
        <Destinations>
          <Destination>
            <CountryName Code="FR">France</CountryName>
          </Destination>
        </Destinations>
      </CoveredTrip>
    </CoveredTrips>
  </SearchTripInfo>
  <SearchTravInfo MaxTravelers="2">
    <SearchTravelers>
      <SearchTraveler BirthDate="1967-08-13" Relation="Primary Traveler">
        <Address>
          <StateProv StateCode="VA">Virginia</StateProv>
          <CountryName Code="US">United States of America</CountryName>
        </Address>
        <CitizenCountryName Code="US"/>
      </SearchTraveler>
    </SearchTravelers>
  </SearchTravInfo>
</OTA_InsurancePlanSearchRQ>

```

```

        <IndCoverageReqs>
          <IndTripCost Amount="500.00" CurrencyCode="USD"/>
        </IndCoverageReqs>
      </SearchTraveler>
    <SearchTraveler BirthDate="1969-01-10" Relation="Spouse">
      <Address>
        <StateProv StateCode="VA">Virginia</StateProv>
        <CountryName Code="US">United States of America</CountryName>
      </Address>
      <CitizenCountryName Code="US"/>
      <IndCoverageReqs>
        <IndTripCost Amount="500.00" CurrencyCode="USD"/>
      </IndCoverageReqs>
    </SearchTraveler>
  </SearchTravelers>
</SearchTravInfo>
</OTA_InsurancePlanSearchRQ>

```

9.2.2.2. Response: Available Plans

The Insurance provider InsComp has identified 2 plans that meet Agent123's criteria (one of which is currently marked as "featured" by InsComp's system) and has included detailed descriptions of the plans as requested by Agent123's search request message

OTA_InsurancePlanSearchRS2.xml

```

<OTA_InsurancePlanSearchRS TimeStamp="2003-09-11T09:30:47-05:00" Target="Production"
Version="1.001" PrimaryLangID="en-us" AltLangID="en-us" 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_InsurancePlanSearchRS.xsd">
  <Success/>
  <AvailablePlans>
    <AvailablePlan PlanID="insprotplan1" Featured="true" Name="Insurance Protection Plan I">
      <PlanDetail>
        <PlanDescription>
          <SubSection>
            <Paragraph>
              <Text>Insurance Protection Plan I is the finest in trip protection insurance
            </Text>
          </Paragraph>
        </SubSection>
      </PlanDescription>
      <QuoteDetailURL>http://...</QuoteDetailURL>
      <BookingDetailURL>http://...</BookingDetailURL>
    </PlanDetail>
    <ProviderDetail>
      <ProviderCompany>InsComp Insurance Company</ProviderCompany>
      <ProviderDescription>
        <SubSection>
          <Paragraph>
            <Text>InsComp has recieved the highest ratings form the nations top...</Text>
          </Paragraph>
        </SubSection>
      </ProviderDescription>
    </ProviderDetail>
  </AvailablePlan>
  <AvailablePlan PlanID="insprotplan2" Featured="false" Name="Insurance Protection Plan II">
    <PlanDetail>
      <PlanDescription>
        <SubSection>

```

```

        <Paragraph>
          <Text>Insurance Protection Plan II provides superior protection for your travel
investment ...</Text>
        </Paragraph>
      </SubSection>
    </PlanDescription>
    <QuoteDetailURL>http://...</QuoteDetailURL>
    <BookingDetailURL>http://...</BookingDetailURL>
  </PlanDetail>
  <ProviderDetail>
    <ProviderCompany>InsComp Insurance Company</ProviderCompany>
    <ProviderDescription>
      <SubSection>
        <Paragraph>
          <Text>InsComp has recieved the highest ratings form the nations top...</Text>
        </Paragraph>
      </SubSection>
    </ProviderDescription>
  </ProviderDetail>
</AvailablePlan>
</AvailablePlans>
</OTA_InsurancePlanSearchRS>

```

9.3. OTA_InsuranceQuoteRQ/RS

Unlike other travel services offered by traditional suppliers of travel products (hotels, airlines, etc.), insurance availability is not affected by a limited or finite inventory. Instead, availability is determined by qualification factors (age of travelers, cost of trip, destination, etc.). An insurance availability search is equivalent to a request to an insurance vendor to provide a price for insurance services. The quote response returns pricing information for specific insurance plans carried by the vendor that meet the customer's requirements.

The insurance quote response returns to the requestor a price quotation, as well as details about the insurance company providing the quote, contact people/numbers if the requestor needs more information, any restrictions on the policy, and booking details.

9.3.1. Use Case 1

9.3.1.1. Request: Insurance Quote

John Smith is taking a trip and wants to check on plans/prices for a trip that costs \$480.00. He wants flight protection coverage and flight accident coverage for \$100,000. John sends a request with information concerning the cost of the trip, his date of birth and the type of coverage he wants.

OTA_InsuranceQuoteRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsuranceQuoteRQ 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_InsuranceQuoteRQ.xsd" EchoToken="18723222" TimeStamp="2003-10-31T16:13:08"
  Target="Production" Version="1.002" SequenceNmbr="1569" PrimaryLangID="en">
  <PlanForQuoteRQ PlanID="ACME" Type="Protection">
    <CoveredTravelers>

```

```

    <CoveredTraveler>
      <CoveredPerson Relation="Traveler 1" BirthDate="1948-06-13">
        <GivenName>John</GivenName>
        <Surname>Smith</Surname>
      </CoveredPerson>
      <Email>JSmith@someserver.com</Email>
      <IndCoverageReqs>
        <IndTripCost Amount="480.00" CurrencyCode="USD"/>
        <FlightAccidentAmount Amount="100000.00" CurrencyCode="USD"/>
      </IndCoverageReqs>
    </CoveredTraveler>
  </CoveredTravelers>
  <InsCoverageDetail Type="SingleTrip">
  </InsCoverageDetail>
  <InsuranceCustomer>
    <PersonName>
      <GivenName>John</GivenName>
      <Surname>Smith</Surname>
    </PersonName>
  </InsuranceCustomer>
</PlanForQuoteRQ>
</OTA_InsuranceQuoteRQ>

```

9.3.1.2. Response: Insurance Quote

A response is returned with the name of the insurance plan, plan restrictions, and a breakdown of the cost of the insurance.

OTA_InsuranceQuoteRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_InsuranceQuoteRS 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_InsuranceQuoteRS.xsd" EchoToken="18723222" Timestamp="2003-10-31T16:13:11"
  Target="Production" Version="1.002" SequenceNbr="1569" PrimaryLangID="en">
  <Success/>
  <PlanForQuoteRS PlanID="ACME" Name="ACME Insurance Protection Plan" Type="Protection">
    <QuoteDetail>
      <ProviderCompany CompanyShortName="M.I.S.C. Insurance Agency"/>
      <PlanRestrictions>
        <PlanRestriction Code="111" Name="This plan is only available to US citizens"/>
      </PlanRestrictions>
    </QuoteDetail>
    <InsCoverageDetail Type="SingleTrip">
      <CoverageRequirements>
        <CoverageRequirement CoverageType="12">
          <PolicyLimit Amount="100000.00" CurrencyCode="USD"/>
        </CoverageRequirement>
      </CoverageRequirements>
      <TotalTripCost Amount="480.00" CurrencyCode="USD"/>
    </InsCoverageDetail>
    <PlanCost Amount="55.25" CurrencyCode="USD">
      <BasePremium Amount="50.00" CurrencyCode="USD"/>
      <Charges>
        <Charge TaxInclusive="false" Type="Exclusive">
          <Taxes>
            <Tax Type="Exclusive" Code="21" Amount="1.25" CurrencyCode="USD">
              <TaxDescription Name="There is a 2.5% insurance tax on this policy">
                <Text Formatted="false" Language="en"/>
              </TaxDescription>
            </Tax>
          </Taxes>
        </Charge>
      </Charges>
    </PlanCost>
  </PlanForQuoteRS>
</OTA_InsuranceQuoteRS>

```

```
        </Taxes>
      </Charge>
      <Charge TaxInclusive="false" Type="Inclusive" Amount="4.00" CurrencyCode="USD">
        <Description Name=" US Processing fee">
          <Text Formatted="false" Language="en"/>
        </Description>
      </Charge>
    </Charges>
  </PlanCost>
  <Contact ContactType="CallCenter">
    <Telephone PhoneTechType="1" CountryAccessCode="1" AreaCityCode="800"
    PhoneNumber="555-5556"/>
    <CompanyName CompanyShortName="M.I.S.C. Insurance Agency"/>
  </Contact>
</PlanForQuoteRS>
</OTA_InsuranceQuoteRS>
```


Section 10 —PackageTours/HolidayBookings

A package holiday usually consists of a single “pre-defined” offering with or without a choice of basic elements such as transport and accommodation. The business model for this concept is that allocated blocks of transport and accommodation inventory for a ‘season’ or ‘brochure period’, typically ‘Summer’ (May to October) and ‘Winter’ (November to April) are reserved by a tour operator from the supplier. These are combined into package holiday inventory items, and set up and sold from the tour operator’s system. Notification to the original supplier of the take-up of individual inventory items takes place a short period before departure of the customers. The use cases covered in this document relate to the selling by the tour operator of the packages from their internal inventory stock.

A booking can contain any number of itinerary elements, such as transport, accommodation, car rental, extra products or services, special services, extras, etc. Itinerary or journey elements are distinct by type of service and product, place of delivery, date and time the service is offered and can be individually assigned to one or more of the customers involved in the booking.

The parties involved in the current business interactions comprise Travel Agents (on behalf of customers) making enquiries and bookings with the Tour Operators who publish brochures describing the package tours on offer. The normal interaction medium is currently videotex which, due to the limited screen display size (80 characters x 25 lines), requires a considerable number of message pairs to achieve a booking. However, it is well established and extensively used, with some operators taking the majority of their bookings this way. The intention behind creating the same functionality using XML is to increase the efficiency of the booking process, extend the reach of the tour operators’ systems and expand the information available to the customer.

This document covers four scenarios—Package Availability, Package Extras, Package Costing and Package Booking. The Availability phase checks a selected package against the supplier’s system providing full details and item-level prices; the Extras phase identifies additional optional items available with the package, the Costing phase calculates the final price for the customer’s selections and the Booking phase completes the cycle by committing the customer to paying for the holiday and the supplier to providing it. Each scenario can be invoked independently of the others, subject to the necessary minimum information being supplied in the request message.

10.1.OTA_PkgAvailRQ/RS

The Package Availability Request message is designed to establish whether a specific package is available for a specific date and duration for a given number of customers (who may be subdivided by category e.g., Adult, Child etc.).

If the request is satisfied, the enquirer will be provided with a priced breakdown of the package elements.

If the request is not satisfied because one or more elements of the package are not available, the enquirer may be provided with a selection of alternatives for that element.

The business use case (see below) that supports this message identifies a customer or agent (person or system acting on behalf of the customer) who requests the availability status of a specific occurrence of a package. The first step in this use case is for the enquirer to supply the details of the package, the stay and the party composition.

The steps of the use case proceed as follows:

- The customer or agent requests the availability of a specific package for a date and duration for a number of passengers.
- The system returns a priced package summary detailing all possible combinations of facilities (where appropriate).

The data returned at step 2 is used as the basis for the Package Booking Request.

Additional data that accompanies the response message may include information, which may affect the enquirer's decision on whether to book the package, e.g., building works, unavailable facilities etc.

Where the supplier system is unable to provide costs for all combinations, it may return a basic priced summary with details of the availability of facilities from which the customer must make a choice and submit a revised request in order to get a full costing.

Possible business processing errors include:

- One or more components of the package cannot satisfy the number of passengers for the date and duration requested. The system may return a list of possible alternative components and if the enquirer chooses one from the list as a substitute the use case will restart from step 1.

10.1.1. Use Case 1

10.1.1.1. Request: Availability for a Specific Package Holiday

A customer has been looking at a holiday brochure for tour operator TakeYouThere. They visit the Getaway agency (ABTA Code 01253) to check if the package K01904 consisting of the Victoria Playa Hotel in Santo Tomas, Minorca with flights between London Gatwick and Mahon is available for 2 adults, and one child aged 5 for 14 nights from June 20, 2005.

The agent establishes that the tour operator's code for the hotel is MINAMA and for the flight is 42213 and sends a package availability request message to TakeYouThere.

OTA_PkgAvailRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgAvailRQ
  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_PkgAvailRQ.xsd" Target="Production" Version="3.000" TimeStamp="2005-04-08T21:10:30"
  EchoToken="7656">
  <POS>
    <Source AgentSine="ABC" AgentDutyCode="49682">
      <RequestorID Type="4" ID="01253">
      </RequestorID>
    </Source>
  </POS>
  <PackageRequest ID="K09104" TravelCode="42213" TourCode="MINAMA" ProductCode="K">
    <DateRange Start="2005-06-20" Duration="P14N"/>
  </PackageRequest>
  <CustomerCounts>
    <CustomerCount Code="10" Quantity="2"/>
    <!-- Code 10 indicates an adult -->
    <CustomerCount Code="8" Quantity="1" Age="5"/>
    <!-- Code 8 indicates a child -->
  </CustomerCounts>
</OTA_PkgAvailRQ>
```

10.1.1.2. Response: Availability Information for a Specific Holiday Package

The TakeYouThere system responds with routing information and seat availability for the requested flight, and information describing the hotel and its available meal plans and rooms. The outbound flight series is 42213 and inbound 42713, with flight numbers BY232A and By232B respectively. The brochured basic adult price is £595, but the holiday is currently being sold for £575 and the first child is free. Two room types are available at the hotel, a TWIN3 is included in the price and a DB4BK is available at a supplement. The standard board arrangement is half board, whilst all inclusive is available for £12.50 per night.

OTA_PkgAvailRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgAvailRS 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_PkgAvailRS.xsd" TimeStamp="2005-04-08T21:10:30" EchoToken="7656" Target="Production"
  Version="3.000" CurrencyCode="GBP">
  <Success/>
  <Package ID="K09104" TravelCode="42213" TourCode="MINAMA" BoardCode="HB" ExtrasInd="true">
    <DateRange Start="2005-06-20" Duration="P7N"/>
    <PriceInfo Code="10" CodeContext="Adult Brochure Price" Amount="595.00" OtherPrice="575.00"
      OtherPriceDescription="Adult Selling Price"/>
    <PriceInfo Code="8" CodeContext="First Child Price" Amount="0.00"/>
    <ItineraryItems>
      <ItineraryItem ItinerarySequence="1">
        <Flight DepartureDateTime="2005-06-20T06:00:00" ArrivalDateTime="2005-06-20T08:30:00"
          DepartureDay="Mon" TravelCode="42213">
          <DepartureAirport LocationCode="LGW"/>
          <ArrivalAirport LocationCode="MAH"/>
          <OperatingAirline Code="BY" FlightNumber="232A"/>
        </Flight>
      </ItineraryItem>
      <ItineraryItem ItinerarySequence="2">
```

```

        <Accommodation ResortName="Santo Tomas" ResortCode="000308"
DestinationCode="00122" DestinationName="Minorca">
        <Identity BrandCode="SFA" BrandName="Superfamily" HotelCode="002775"
HotelName="Victoria Playa" PropertyClassType="20"/>
        <DateRange Start="2005-06-20" Duration="P7N">
        </DateRange>
        <RoomProfiles>
        <RoomProfile RoomType="TWIN3" RoomTypeCode="BC045" Quantity="1"
Description="Twin with 3 beds, PB, WC, BL and CS" MinOccupancy="2" MaxOccupancy="3"
FreeChildFlag="true">
        <RoomAmenity RoomAmenity="10"/>
        </RoomProfile>
        <RoomProfile RoomType="DB4BK" RoomTypeCode="LH045" Quantity="1"
Description="Double room with additional bunk beds, PB, WC, BL, CS" MinOccupancy="2"
MaxOccupancy="4" FreeChildFlag="true">
        <RoomAmenity RoomAmenity="130"/>
        <Prices>
        <Price PriceBasis="Per person per night" Amount="2.50"/>
        </Prices>
        </RoomProfile>
        </RoomProfiles>
        <MealPlans>
        <MealPlan Code="HB" Plan="Half Board"/>
        <MealPlan Code="AI" Plan="All Inclusive">
        <Prices>
        <Price PriceBasis="Per person per night" Amount="12.50"/>
        </Prices>
        </MealPlan>
        </MealPlans>
        </Accommodation>
    </ItineraryItem>
    <ItineraryItem ItinerarySequence="3">
    <Flight DepartureDateTime="2004-06-27T11:00:00" ArrivalDateTime="2004-06-27T13:10:00"
DepartureDay="Mon" TravelCode="42713">
    <DepartureAirport LocationCode="MAH"/>
    <ArrivalAirport LocationCode="LGW"/>
    <OperatingAirline Code="BY" FlightNumber="232B"/>
    </Flight>
    </ItineraryItem>
</ItineraryItems>
<Cautions>
    <Caution ID="E001">BUNK BEDS IN FAMILY ROOMS ARE SUITABLE FOR CHILDREN UP TO
12 YRS</Caution>
    <Caution ListOfItineraryItemRPH="2" ID="E002">INTERCONNECTING ROOMS MUST BE
BOOKED AS A PAIR</Caution>
    <Caution ListOfItineraryItemRPH="2" ID="E003">BED SHARING NOT PERMITTED</Caution>
    <Caution ListOfItineraryItemRPH="1 3" ID="E004">IN-FLIGHT MEALS ARE OPTIONAL AND
MUST BE PRE-BOOKED</Caution>
</Cautions>
</Package>
</OTA_PkgAvailRS>

```

10.2.OTA_PkgBookRQ/RS

The Package Booking messages are designed to make a confirmed booking of a package holiday whose availability may or may not have been checked. An <ActionType> qualifier is available to modify the default 'Book' request to simply return a quotation or make a provisional reservation pending authorization of payment details.

If the 'Book' action request by a direct customer is satisfied, the enquirer may be requested to provide contact and payment details. On authorization of the payment details, the enquirer will be provided with a booking reference (and, optionally, invoice details for printing).

The book message pair is used to make the actual booking and respond with enough information to create a holiday invoice and itinerary. The booking request message can have a number of states, a straight-forward booking, an option booking or confirmation of a option booking. The response can therefore be either a complete booking response or an option booking response.

10.2.1. Use Case 1

10.2.1.1. Request: Booking Request

This example shows a booking request for the Jones family traveling on package K09104 to Minorca to stay at the Victoria Playa selling code MINAMA and flying from Gatwick to Mahon on flight series 42213 on the 20th June 2005. The family has booked using a travel agent - Getaway Travel that has an ABTA number of 01253 and a password of 49628. The agent making the booking is Ann Cook with initials ABC. The family has opted for a DB4BK room in the hotel. They have booked several extras, Mr. Jones an adult flight meal, Mrs. Jones a vegetarian flight meal and Miss Jones a child flight meal. They have also chosen to book a fridge. The family has supplied details of their own insurance through Norwich Union.

OTA_PkgBookRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgBookRQ
  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_PkgBookRQ.xsd" Target="Production" Version="3.000" ActionType="Book">
  <POS>
    <Source AgentSine="ABC" AgentDutyCode="49682">
      <RequestorID Type="4" ID="01253">
        </RequestorID>
      </Source>
    </POS>
    <PackageRequest ID="K09104" TravelCode="42213" TourCode="MINAMA" BoardCode="HB">
      <DateRange Start="2005-06-20" Duration="P7N"/>
      <ItineraryItems>
        <ItineraryItem>
          <Accommodation>
            <DateRange/>
            <RoomProfiles>
              <RoomProfile RoomType="DB4BK" RoomTypeCode="LH045">
                <PassengerRPHs ListOfPassengerRPH="1 2 3"/>
              </RoomProfile>
            </RoomProfiles>
          </Accommodation>
        </ItineraryItem>
      </ItineraryItems>
      <Extras>
        <Extra Code="AFM" Quantity="1" Type="MLS" ListOfPassengerRPH="1"/>
      </Extras>
    </PackageRequest>
  </OTA_PkgBookRQ>
```

```

        <Extra Code="VEG" Quantity="1" Type="MLS" ListOfPassengerRPH="2"/>
        <Extra Code="CFM" Quantity="1" Type="MLS" ListOfPassengerRPH="3"/>
        <Extra Code="LCS" Quantity="1" Type="EXT"/>
    </Extras>
</PackageRequest>
<ContactDetail ContactType="Agent">
    <PersonName>
        <GivenName>Ann</GivenName>
        <Surname>Cook</Surname>
    </PersonName>
    <Telephone PhoneNumber="01483 461257"/>
    <CompanyName CompanyShortName="Getaway Travel"/>
</ContactDetail>
<PassengerListItems>
    <PassengerListItem RPH="1" InsuranceRPH="1" Age="34" LeadCustomerInd="true">
        <Name>
            <NamePrefix>Mr</NamePrefix>
            <GivenName>J</GivenName>
            <Surname>Jones</Surname>
        </Name>
    </PassengerListItem>
    <PassengerListItem RPH="2" InsuranceRPH="1" Age="34">
        <Name>
            <NamePrefix>Mrs</NamePrefix>
            <GivenName>K</GivenName>
            <Surname>Jones</Surname>
        </Name>
    </PassengerListItem>
    <PassengerListItem RPH="3" InsuranceRPH="1" Age="5" BirthDate="2000-05-01">
        <Name>
            <NamePrefix>Miss</NamePrefix>
            <GivenName>S</GivenName>
            <Surname>Jones</Surname>
        </Name>
    </PassengerListItem>
</PassengerListItems>
<OwnInsuranceChoices>
    <OwnInsuranceChoice InsuranceCompany="Norwich" PolicyNmbr="21/84932VR">
    </OwnInsuranceChoice>
</OwnInsuranceChoices>
</OTA_PkgBookRQ>

```

10.2.1.2. Response: Booking Confirmation

This message will be used in response to either a normal booking request or the confirmation of a previously held option booking. The message gives a complete itinerary, passenger listing and costing for the holiday and may be used to produce a confirmation invoice by the travel agent.

OTA_PkgBookRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgBookRS
  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_PkgBookRS.xsd" Target="Production" Version="5" CurrencyCode="GBP" DecimalPlaces="2">
    <Success/>
    <PackageReservation>
        <POS>
            <Source AgentSine="ABC">
                <RequestorID Type="4" ID="01253">

```

```

        </RequestorID>
    </Source>
</POS>
<UniqueID Type="1" ID="8943102">
    <CompanyName Code="TYT" CompanyShortName="TakeYouThere"/>
</UniqueID>
<Package ID="K09104" TravelCode="42213" TourCode="MINAMA" BoardCode="HB">
    <DateRange Start="2005-06-20" Duration="P7N"/>
    <ItineraryItems>
        <ItineraryItem ItinerarySequence="1">
            <Flight DepartureDateTime="2005-06-20T06:00:00" ArrivalDateTime="2005-06-
20T08:30:00" DepartureDay="Mon" TravelCode="42213">
                <DepartureAirport LocationCode="LGW"/>
                <ArrivalAirport LocationCode="MAH"/>
                <OperatingAirline Code="BY" FlightNumber="232A"/>
            </Flight>
        </ItineraryItem>
        <ItineraryItem ItinerarySequence="2">
            <Accommodation ResortCode="000308" ResortName="Santo Tomas"
DestinationCode="000123" DestinationName="Minorca">
                <Identity BrandCode="SFA" HotelCode="002775" HotelName="Victoria Playa"
BrandName="Superfamily" PropertyClassType="20"/>
                <DateRange Start="2005-06-20" Duration="P7N">
                    </DateRange>
                <RoomProfiles>
                    <RoomProfile RoomType="BD4BK" RoomTypeCode="LH045" Quantity="1"
Description="Double room with additional bunk beds, PB, WC, BL and CS" MinOccupancy="2"
MaxOccupancy="4">
                        <PassengerRPHs ListOfPassengerRPH="1 2 3"/>
                    </RoomProfile>
                </RoomProfiles>
            </Accommodation>
        </ItineraryItem>
        <ItineraryItem ItinerarySequence="3">
            <Flight DepartureDateTime="2005-06-27T11:00:00" ArrivalDateTime="2005-06-
27T13:10:00" DepartureDay="Mon" TravelCode="42713">
                <DepartureAirport LocationCode="MAH"/>
                <ArrivalAirport LocationCode="LGW"/>
                <OperatingAirline Code="BY" FlightNumber="232B"/>
            </Flight>
        </ItineraryItem>
    </ItineraryItems>
    <Extras>
        <Extra Code="AFM" Quantity="1" Name="Adult Flight Meal" ListOfPassengerRPH="1"/>
        <Extra Code="VEG" Quantity="1" Name="Vegetariant Flight Meal"
ListOfPassengerRPH="2"/>
        <Extra Code="CFM" Quantity="1" Name="Child Flight Meal" ListOfPassengerRPH="3"/>
        <Extra Code="LCS" Quantity="1" Name="Fridge Hire in Room"/>
    </Extras>
</Package>
<ContactDetail ContactType="Agent">
    <PersonName>
        <GivenName>Ann</GivenName>
        <Surname>Cook</Surname>
    </PersonName>
    <Telephone PhoneNumber="01483 461257"/>
    <CompanyName CompanyShortName="Getaway Travel"/>
</ContactDetail>
<PassengerListItems>
    <PassengerListItem RPH="1" InsuranceRPH="1" Age="34" LeadCustomerInd="true">
        <Name>
            <GivenName>J</GivenName>
            <Surname>Jones</Surname>
            <NameTitle>Mr</NameTitle>
        </Name>
    </PassengerListItem>

```

```

<PassengerListItem RPH="2" InsuranceRPH="1" Age="34">
  <Name>
    <GivenName>K</GivenName>
    <Surname>Jones</Surname>
    <NameTitle>Mrs</NameTitle>
  </Name>
</PassengerListItem>
<PassengerListItem RPH="3" InsuranceRPH="1" Age="5" BirthDate="2000-05-01">
  <Name>
    <GivenName>S</GivenName>
    <Surname>Jones</Surname>
    <NameTitle>Miss</NameTitle>
  </Name>
</PassengerListItem>
</PassengerListItems>
<OwnInsuranceChoices>
  <OwnInsuranceChoice InsuranceCompany="Norwich Union" PolicyNmbr="21/8493VR">
  </OwnInsuranceChoice>
</OwnInsuranceChoices>
<InvoiceDetail>
  <CostingItems>
    <CostingItem Description="Basic Holiday Price" Quantity="2">
      <UnitCost Amount="595.00"/>
      <ExtendedCost Amount="1190.00"/>
    </CostingItem>
    <CostingItem Description="Saving" Quantity="2">
      <UnitCost Amount="-20.00"/>
      <ExtendedCost Amount="-40.00"/>
    </CostingItem>
    <CostingItem Description="First Child Price" Quantity="1">
      <UnitCost Amount="0.00"/>
      <ExtendedCost Amount="0.00"/>
    </CostingItem>
    <CostingItem Description="Room Charges" Quantity="3">
      <UnitCost Amount="17.50"/>
      <ExtendedCost Amount="52.50"/>
    </CostingItem>
    <CostingItem Description="Adult Flight Meal" Quantity="2">
      <UnitCost Amount="10.00"/>
      <ExtendedCost Amount="20.00"/>
    </CostingItem>
    <CostingItem Description="Child Flight Meal" Quantity="1">
      <UnitCost Amount="5.00"/>
      <ExtendedCost Amount="5.00"/>
    </CostingItem>
    <CostingItem Description="Extras" Quantity="1">
      <UnitCost Amount="17.50"/>
      <ExtendedCost Amount="17.50"/>
    </CostingItem>
  </CostingItems>
  <GrossAmount Amount="1245.00"/>
  <DepositAmount Amount="330.00"/>
  <AgentCommission Amount="124.50"/>
  <BalanceDueAmount Amount="915.00" PaymentDueDate="2005-04-25"/>
</InvoiceDetail>
</PackageReservation>
</OTA_PkgBookRS>

```

10.3.OTA_PkgExtrasInfoRQ/RS

The Extra Facilities Information request and response is used to provide information on the extra facilities available for a holiday. Extra facilities cover a

number of categories of holiday add-ons including flight meals, transfer options, insurance, car hire and upgraded flight seats. The fact that extra facilities are available for a given package is shown by the ExtrasInd="True" being present in the Package section of the Availability Check Response message.

The selling of Extra facilities is bound by a number of rules that are embedded in TakeYouThere system which are best explained using examples.

- If one person in the party chooses an extra then all the party must have that extra as, e.g. sitting together on a flight must be bought by all of the people on the booking.
- If one person in the party chooses an extra, then everyone in the party must choose from one of a group of extras. For example a number of different flight meals are available and if one person wants a flight meal all the party must choose from one of them.
- The booking of one extra is dependent on another. For example a child car seat can only be booked if car hire has been selected.

The Grouping, ApplyTo and RuleCode attributes of the extras message are used to describe these rules.

The Extra Facilities Information request and response is used to provide information on the extra facilities available for a holiday. Extra facilities cover a number of categories of holiday add-ons including flight meals, transfer options, insurance, car hire and upgraded flight seats. The fact that extra facilities are available for a give package is shown by the ExtrasInd="True" being present in the Package section of the Availability Check Response message.

The selling of Extra facilities is bound by a number of rules that are embedded in TakeYouThere system which are best explained using examples.

- If one person in the party chooses an extra then all the party must have that extra as, e.g. sitting together on a flight must be bought by all of the people on the booking.
- If one person in the party chooses an extra, then everyone in the party must choose from one of a group of extras. For example a number of different flight meals are available and if one person wants a flight meal all the party must choose from one of them.
- The booking of one extra is dependent on another. For example a child car seat can only be booked if car hire has been selected.

The Grouping, ApplyTo and RuleCode attributes of the extras message are used to describe these rules.

10.3.1. Use Case 1

10.3.1.1. Request: A request for extra facilities for an available Package Holiday

This example shows the request for extra facilities available on the Jones family's chosen holiday to the Victoria Playa Hotel in Santo Tomas, Minorca. The request message is relatively simple as it just contains details of chosen package, departure date, passenger types and ages as appropriate.

OTA_PkgExtrasInfoRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgExtrasInfoRQ
  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_PkgExtrasInfoRQ.xsd" Target="Production" Version="1.000">
  <POS>
    <Source AgentSine="ABC" AgentDutyCode="49682">
      <RequestorID Type="4" ID="01253">
        </RequestorID>
      </Source>
    </POS>
    <PackageRequest ID="K09104" TravelCode="42213" TourCode="MINAMA">
      <DateRange Start="2005-06-20" Duration="P7N"/>
    </PackageRequest>
    <PassengerListItems>
      <PassengerListItem Code="10" Quantity="2"/>
      <PassengerListItem Code="8" Quantity="1" Age="5"/>
    </PassengerListItems>
  </OTA_PkgExtrasInfoRQ>
```

10.3.1.2. Response: Extra facilities for an available Package Holiday

The response message to the previous request for information on extra facilities available on the package K09104 to the Victoria Playa in Santo Tomas, Minorca. The extras are of a number of different types:

- MLS – Flight Meals. Optional, but if one customer chooses to have a meal then all customers in the party must choose a meal from the group.
- RQS – Special Request. No guaranteed requests that a customer can make for their holiday. These are non-chargable and optional.
- INS – Insurance. Optional for all passengers, but they can only choose one from the group.
- ECR – Car hire, totally optional and selectable.
- Transfers. Optional for all passengers, but if one person on the booking requires a transfer then everyone on the booking must choose the same transfer.

OTA_PkgExtrasInfoRS.xml

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

```

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_PkgExtrasInfoRS.xsd" Target="Production" Version="1.000" CurrencyCode="GBP">
  <Success/>
  <PackageInfo ID="K09104" TravelCode="42213" TourCode="MINAMA">
    <DateRange Start="2005-06-20" Duration="P7N"/>
  </PackageInfo>
  <ExtraGroups>
    <ExtraGroup Code="M" SelectionType="Optional" RuleCode="OneOf" ListofExtrasRPH="1 2 3 4"/>
    <ExtraGroup Code="A" SelectionType="Optional" RuleCode="OneOf" ListofExtrasRPH="7 8"/>
    <ExtraGroup Code="T" SelectionType="Optional" RuleCode="OneOf" ListofExtrasRPH="9 10"/>
    <ExtraGroup Code="C" SelectionType="Optional" RuleCode="AnyOf" ListofExtrasRPH="10 11 12"/>
  </ExtraGroups>
  <Extras>
    <Extra RPH="1" Code="AFM" Type="MLS" GroupCode="M" Name="Adult Flight Meal"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
      <Criteria StockControlledInd="false"/>
      <Periods>
        <Period>
          <Price Code="10" Amount="10.00" PriceBasis="Per person"/>
        </Period>
      </Periods>
    </Extra>
    <Extra RPH="2" Code="VEG" Type="MLS" GroupCode="M" Name="Vegetarian Flight Meal"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
      <Criteria StockControlledInd="false"/>
      <Periods>
        <Period>
          <Price Code="10" Amount="10.00" PriceBasis="Per person"/>
        </Period>
      </Periods>
    </Extra>
    <Extra RPH="3" Code="DFM" Type="MLS" GroupCode="M" Name="Diabetic Flight Meal"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
      <Criteria StockControlledInd="false"/>
      <Periods>
        <Period>
          <Price Code="10" Amount="10.00" PriceBasis="Per person"/>
        </Period>
      </Periods>
    </Extra>
    <Extra RPH="4" Code="CFM" Type="MLS" GroupCode="M" Name="Child Flight Meal"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
      <Criteria StockControlledInd="false"/>
      <Periods>
        <Period>
          <Price Code="10" Amount="5.00" PriceBasis="Per person"/>
        </Period>
      </Periods>
    </Extra>
    <Extra RPH="5" Code="#L" Type="RQS" Name="Low Floor" SelectionType="Optional"
ApplyTo="AllPax">
    </Extra>
    <Extra RPH="6" Code="#P" Type="RQS" Name="Quiet Room" SelectionType="Optional"
ApplyTo="AllPax">
    </Extra>
    <Extra RPH="7" Code="GLD" Type="INS" GroupCode="A" Name="Gold Insurance"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
      <Periods>
        <Period>
          <Price Code="10" Amount="32.00" PriceBasis="Per person"/>
          <Price Code="8" Amount="24.00" PriceBasis="Per person"/>
          <Price Code="11" Amount="40.00" PriceBasis="Per person"/>
          <Price Code="7" Amount="0.00" PriceBasis="Per person"/>
        </Period>
      </Periods>
  </Extras>

```

```

</Extra>
<Extra RPH="8" Code="SIL" Type="INS" GroupCode="A" Name="Silver Insurance"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="SelectedPax">
  <Periods>
    <Period>
      <Price Code="10" Amount="24.00" PriceBasis="Per person"/>
      <Price Code="8" Amount="18.00" PriceBasis="Per person"/>
      <Price Code="11" Amount="30.00" PriceBasis="Per person"/>
      <Price Code="7" Amount="0.00" PriceBasis="Per person"/>
    </Period>
  </Periods>
</Extra>
<Extra RPH="9" Code="TRA" Type="EXT" GroupCode="T" Name="Coach Transfer"
SelectionType="Removeable" RuleCode="OneOf" ApplyTo="AllPax">
  <Periods>
    <Period>
      <Price Amount="0.00" PriceBasis="Per person"/>
    </Period>
  </Periods>
</Extra>
<Extra RPH="10" Code="HMZ" Type="EXT" GroupCode="T" Name="Taxi Transfer (Max 2 Adults)"
SelectionType="Optional" RuleCode="OneOf" ApplyTo="AllPax">
  <Periods>
    <Period Category="Car">
      <Price Amount="60.00" PriceBasis="Per use"/>
    </Period>
  </Periods>
</Extra>
<Extra RPH="11" Code="ECA" Type="ECR" GroupCode="C" Name="EuropCar A - 3 days"
SelectionType="Optional">
  <Criteria MinimumAge="21" MaximumAge="70" StockControlledInd="false"/>
  <Periods>
    <Period Duration="P3N" Category="Car">
      <Price Amount="59.00" PriceBasis="Per use"/>
    </Period>
  </Periods>
  <ExtraLocationInfo Location="7"/>
  <!-- Code 7 indicates City centre/Resort -->
</Extra>
<Extra RPH="12" Code="ECB" Type="ECR" GroupCode="C" Name="EuropCar B - 3 days"
SelectionType="Optional">
  <Criteria MinimumAge="21" MaximumAge="70" StockControlledInd="false"/>
  <Periods>
    <Period Duration="P3N" Category="Car">
      <Price Amount="79.00" PriceBasis="Per use"/>
    </Period>
  </Periods>
  <ExtraLocationInfo Location="7"/>
</Extra>
</Extras>
</OTA_PkgExtrasInfoRS>

```

10.4.OTA_PkgCostRQ/RS

The Package Cost messages are designed to get a final costing for the package and extras selected by the customer. The message is expected to be used iteratively, so that several cost message pairs can be used as the customer makes selections of options or room types or extras until they are satisfied with their holiday costing. The cost response message contains full details of the holiday so that it is clear exactly what will be booked.

10.4.1. Use Case 1

10.4.1.1. Request: A Costing Request for an available Package Holiday

Once again this uses the example of the Jones Family, two adults and one child aged 5, travelling to on package K09104 with a selling code of MINAMA on outbound flight 42213 on the 20th June 2005. The holiday is for 7 nights. The family has chosen to upgrade to a DB4BK room to give them more space. They have their own insurance from Norwich Union and do not require the tour operators insurance. The family chose to book a fridge in the room and a set of flight meals, an adult meal for Mr Jones, a vegetarian meal for Mrs Jones and a child meal for Miss Jones.

OTA_PkgCostRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgCostRQ 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_PkgCostRQ.xsd" Version="1.000" ActionType="Quote" Target="Production">
  <POS>
    <Source AgentSine="ABC" AgentDutyCode="49682">
      <RequestorID Type="4" ID="01253"/>
    </Source>
  </POS>
  <PackageRequest ID="K09104" TravelCode="42213" TourCode="MINAMA" BoardCode="HB">
    <DateRange Start="2005-06-20" Duration="P7N"/>
    <ItineraryItems>
      <ItineraryItem RPH="2">
        <Accommodation>
          <DateRange/>
          <RoomProfiles>
            <RoomProfile RoomType="DB4BK" RoomTypeCode="LH045" Quantity="1">
              <PassengerRPHs ListOfPassengerRPH="1 2 3"/>
            </RoomProfile>
          </RoomProfiles>
        </Accommodation>
      </ItineraryItem>
    </ItineraryItems>
    <Extras>
      <Extra Code="AFM" Quantity="1" Type="MLS" ListOfPassengerRPH="1"/>
      <Extra Code="VEG" Quantity="1" Type="MLS" ListOfPassengerRPH="2"/>
      <Extra Code="CFM" Quantity="1" Type="MLS" ListOfPassengerRPH="3"/>
      <Extra Code="LCS" Quantity="1" Type="EXT"/>
    </Extras>
  </PackageRequest>
  <PassengerListItems>
    <PassengerListItem RPH="1" Code="10" LeadCustomerInd="true">
    </PassengerListItem>
    <PassengerListItem RPH="2" Code="10">
    </PassengerListItem>
    <PassengerListItem RPH="3" Code="8" Age="5" BirthDate="2000-05-01">
    </PassengerListItem>
  </PassengerListItems>
</OTA_PkgCostRQ>
```

10.4.1.2. Response: A costing for an available Package Holiday

Costing for the Jones family holiday to the Victoria Playa in Minorca. They have chosen to upgrade to a DB4BK room and have elected to take flight meals and book a fridge. The costing is broken down into different elements that make up the total price.

OTA_PkgCostRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_PkgCostRS
  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_PkgCostRS.xsd" Target="Production" Version="1.000" CurrencyCode="GBP">
  <Success/>
  <Package ID="K09109" TravelCode="42213" TourCode="MINAMA" BoardCode="HB">
    <DateRange Start="2005-06-20" Duration="P7N"/>
    <ItineraryItems>
      <ItineraryItem ItinerarySequence="1" ChronologicalSequence="1">
        <Flight DepartureDateTime="2005-06-20T06:00:00" ArrivalDateTime="2005-06-20T08:30:00"
          DepartureDay="Mon" TravelCode="42213">
          <DepartureAirport LocationCode="LGW"/>
          <ArrivalAirport LocationCode="MAH"/>
          <OperatingAirline Code="BY" FlightNumber="232A"/>
        </Flight>
      </ItineraryItem>
      <ItineraryItem ItinerarySequence="2" ChronologicalSequence="2">
        <Accommodation ResortName="Santo Tomas" ResortCode="000308">
          <Identity PropertyClassType="20" BrandCode="SFA" BrandName="Superfamily"
            HotelCode="002775" HotelName="Victoria Playa Hotel"/>
          <DateRange Start="2005-06-20"/>
          <RoomProfiles>
            <RoomProfile RoomType="DB4BK" RoomTypeCode="LH045" Quantity="1"
              Description="Double room with 3 extra bunk beds, with PB, WC, BL and CS." MinOccupancy="2"
              MaxOccupancy="4" FreeChildFlag="1">
              <PassengerRPHs ListOfPassengerRPH="1 2 3"/>
            </RoomProfile>
          </RoomProfiles>
        </Accommodation>
      </ItineraryItem>
      <ItineraryItem ItinerarySequence="3" ChronologicalSequence="3">
        <Flight DepartureDateTime="2005-06-27T11:00:00" ArrivalDateTime="2005-06-27T13:10:00"
          DepartureDay="Mon" TravelCode="47213">
          <DepartureAirport LocationCode="PMI"/>
          <ArrivalAirport LocationCode="MAH"/>
          <OperatingAirline Code="BY" FlightNumber="232B"/>
        </Flight>
      </ItineraryItem>
    </ItineraryItems>
    <Extras>
      <Extra Code="AFM" Quantity="1" Name="Adult Flight Meal"/>
      <Extra Code="VEG" Quantity="1" Name="Vegetarian Flight Meal"/>
      <Extra Code="CFM" Quantity="1" Name="Child Flight Meal"/>
      <Extra Code="LCS" Quantity="1" Name="Fridge in Room"/>
    </Extras>
    <CostSummary>
      <CostingItems>
        <CostingItem Description="Basic Holiday Price" Quantity="2">
          <UnitCost Amount="595.00"/>
          <ExtendedCost Amount="1190.00"/>
        </CostingItem>
        <CostingItem Description="Saving" Quantity="2">
          <UnitCost Amount="-20.00"/>
          <ExtendedCost Amount="-40.00"/>
        </CostingItem>
      </CostingItems>
    </CostSummary>
  </Package>
</OTA_PkgCostRS>
```

```

</CostingItem>
<CostingItem Description="First Child Price" Quantity="1">
  <UnitCost Amount="0.00"/>
  <ExtendedCost Amount="0.00"/>
</CostingItem>
<CostingItem Description="Room Charges" Quantity="3">
  <UnitCost Amount="17.50"/>
  <ExtendedCost Amount="52.50"/>
</CostingItem>
<CostingItem Description="Adult Flight Meal" Quantity="2">
  <UnitCost Amount="10.00"/>
  <ExtendedCost Amount="20.00"/>
</CostingItem>
<CostingItem Description="Child Flight Meals" Quantity="1">
  <UnitCost Amount="5.00"/>
  <ExtendedCost Amount="5.00"/>
</CostingItem>
<CostingItem Description="Extras" Quantity="1">
  <UnitCost Amount="17.50"/>
  <ExtendedCost Amount="17.50"/>
</CostingItem>
</CostingItems>
<GrossAmount Amount="1245.00"/>
<DepositAmount Amount="330.00"/>
<AgentCommission Amount="124.50"/>
<BalanceDueAmount Amount="915.00" PaymentDueDate="2005-04-25"/>
</CostSummary>
</Package>
</OTA_PkgCostRS>

```

Section 11 — Travel Itinerary Messages

The Travel Industry has successfully enjoyed the benefits of feature rich electronic data exchange among global trading partners for decades. The Travel Itinerary message (or Passenger Name Record—PNR) is widely used to integrate, manage and service travel content—which includes: Air, Car, Hotels, Rail, and Tour & Cruise. The following is a list of travel content information traditionally contained within the Travel Itinerary (included but not limited to):

- Personal Traveler Related Information—Name, Address, Phone, etc.
- Booked Travel Segments—Air, Car, Hotel, Tour/Cruise, etc.
- Ticketing, Pricing & Form of Payment Information
- Special Service Request and Remark Details
- Travel Itinerary or PNR Synchronization
- Complete Travel Itinerary Book Request
- Travel Itinerary Update/Modify
- Travel Itinerary Cancel/Ignore

11.1.OTA_TravelItineraryRQ/RS

The Travel Itinerary message is a combination of existing, OTA XML Schemas (XML components or XML Schema fragments) with some additional components encapsulated as one large XML Schema—the ‘TravelItinerary’. The OTA_TravelItineraryRS message model builds upon the component assets via loosely coupling associations between them (either hierarchically or by attribute references) to maximize both flexibility and reusability.

A request to read (retrieve) a Travel Itinerary is issued using the OTA_TravelItineraryReadRQ message with a unique ID referencing the itinerary.

The response to a read request, OTA_TravelItineraryRS may contain a <SpecialServices> element at both the itinerary item level and higher itinerary level. Such hierarchy provides a clear means to associate a specific service element with one item or to multiple items. This contextual association pattern also applies to the pricing elements <ItemPricing> and <ItineraryPricing>, which directly relate to specific item pricing or subtotal pricing of items respectively. Additionally, content which is related to (e.g., not reserved or owned by) a specific OTA travel itinerary message can be referenced via the <AssocItem> element. This element is modeled much like itinerary items where, unique patterns of contextually related service and pricing options can be applied.

11.1.1. Use Case 1

11.1.1.1. Request: Read Travel Itinerary

Betty Johnson, owner/employee of U-Own-The-World Travel, uses the Atlas12000 GDS booking application installed on her desktop platform. Bob Jones, has requested a copy of his upcoming business trip itinerary from Betty, whom he booked the trip through. Betty, using the super slick GUI interface selects Bob's GDS reservation number (UOTWT0122321) from a list, enters it into the interface and clicks a single button.

OTA_TravellitineraryReadRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_TravellitineraryReadRQ TimeStamp="2003-02-24T11:43:57" PrimaryLangID="en" Version="1.002"
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_TravellitineraryReadRQ.xsd">
  <POS>
    <Source>
      <RequestorID Type="5" ID="UOTWT0122321"/>
    </Source>
  </POS>
  <UniqueID Type="14" ID="M839LW"/>
</OTA_TravellitineraryReadRQ>
```

11.1.1.2. Response: Travel Itinerary Information

By the miracle of XML and the GDS API, Bob's itinerary is returned to the booking app., 'massaged', sent to Betty's screen for visual confirmation as well as to her local printer and Bob's email address.

OTA_TravellitineraryReadRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_TravellitineraryRS xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2003-02-24T11:44:00"
PrimaryLangID="en" Version="2.001"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
OTA_TravellitineraryRS.xsd">
  <Success/>
  <Travellitinerary>
    <ItineraryRef Type="14" ID="M839LW"/>
    <CustomerInfos>
      <CustomerInfo RPH="01">
        <Customer>
          <PersonName>
            <NamePrefix>Mr.</NamePrefix>
            <GivenName>Robert</GivenName>
            <MiddleName>Anthony</MiddleName>
            <Surname>Jones</Surname>
          </PersonName>
          <Telephone PhoneNumber="2241630" AreaCityCode="302" Extension="5574"/>
          <Email>rajones@somewhere.org</Email>
          <Address FormattedInd="true">
            <StreetNmbr PO_Box="P.O. Box 77">1452 S. 13th St. N.W.</StreetNmbr>
```

```

        <CityName>Westfinster</CityName>
        <PostalCode>90210</PostalCode>
        <StateProv>NY</StateProv>
        <CountryName>US</CountryName>
    </Address>
</Customer>
    <AgencyAcctNumber Type="5" ID="UOTWT0122321"/>
</CustomerInfo>
</CustomerInfos>
<ItineraryInfo>
    <ReservationItems ChronoOrdered="true">
        <Item RPH="01" ItinSeqNumber="01">
            <Air DepartureDateTime="2003-03-03T08:00:00" FlightNumber="942"
ResBookDesigCode="Y">
                <DepartureAirport LocationCode="DEN"/>
                <ArrivalAirport LocationCode="ORD"/>
                <MarketingAirline>UA</MarketingAirline>
                <Seats>
                    <Seat Number="07A" Characteristic="Window" CustomerRPH="01"/>
                </Seats>
            </Air>
        </Item>
        <Item RPH="02" ItinSeqNumber="02">
            <Air DepartureDateTime="2003-03-03T13:00:00" FlightNumber="3545"
ResBookDesigCode="Y">
                <DepartureAirport LocationCode="ORD"/>
                <ArrivalAirport LocationCode="YUL"/>
                <OperatingAirline>AC</OperatingAirline>
                <MarketingAirline>UA</MarketingAirline>
                <Seats>
                    <Seat Number="08B" Characteristic="Aisle" CustomerRPH="01"/>
                </Seats>
            </Air>
        </Item>
        <Item RPH="03" ItinSeqNumber="05">
            <Air DepartureDateTime="2003-03-10T08:00:00" FlightNumber="5568">
                <DepartureAirport LocationCode="YUL"/>
                <ArrivalAirport LocationCode="BOS"/>
                <OperatingAirline>AC</OperatingAirline>
                <MarketingAirline>UA</MarketingAirline>
                <Seats>
                    <Seat Number="3D" Characteristic="Window" CustomerRPH="01"/>
                </Seats>
            </Air>
        </Item>
        <Item RPH="04" ItinSeqNumber="06">
            <Air DepartureDateTime="2003-03-10T10:30:00" FlightNumber="5542">
                <DepartureAirport LocationCode="ORD"/>
                <ArrivalAirport LocationCode="DEN"/>
                <MarketingAirline>UA</MarketingAirline>
                <Seats>
                    <Seat CustomerRPH="01" Number="23B"/>
                </Seats>
            </Air>
        </Item>
        <Item RPH="05" ItinSeqNumber="04">
            <Hotel>
                <Reservation>
                    <RoomTypes>
                        <RoomType RoomTypeCode="KNGSTE" NumberOfUnits="1"/>
                    </RoomTypes>
                    <RoomRates>
                        <RoomRate>
                            <Rates>
                                <Rate AgeQualifyingCode="10" MinAge="18" EffectiveDate="2003-
03-03" ExpireDate="2003-03-10">

```

```

        <Base AmountAfterTax="1495.00" CurrencyCode="CAD"/>
      </Rate>
    </Rates>
  </RoomRate>
</RoomRates>
  <GuestCounts>
    <GuestCount AgeQualifyingCode="10" Count="1"/>
  </GuestCounts>
  <TimeSpan Start = "2003-03-03" End = "2003-03-10"/>
  <BasicPropertyInfo ChainCode="HH" HotelCityCode="YUL" HotelName="Hilton
Bonaventure"/>
  </Reservation>
</Hotel>
</Item>
  <Item RPH="06" ItinSeqNumber="03">
    <Vehicle>
      <ConfID Type="14" ID="02138525448412"/>
      <VehRentalCore PickUpDateTime="2003-03-03T15:30:00" ReturnDateTime="2003-
03-10T06:00:00">
        <PickUpLocation LocationCode="YUL">Montreal Dorval
Airport</PickUpLocation>
        <ReturnLocation LocationCode="YUL">Montreal Dorval Airport</ReturnLocation>
      </VehRentalCore>
      <Vehicle AirConditionInd="true" TransmissionType="Automatic">
        <VehType VehicleCategory="CAR" DoorCount="4"/>
        <VehClass Size="FUL"/>
        <VehMakeModel Name="Ford Taurus"/>
      </Vehicle>
      <RentalRate>
        <RateDistance Unlimited="true" DistUnitName="Mile"
VehiclePeriodUnitName="Week"/>
      </RentalRate>
      <TotalCharge RateTotalAmount="345.00" CurrencyCode="CAD"/>
    </Vehicle>
  </Item>
</ReservationItems>
  <Ticketing TicketType="eTicket" eTicketNumber="30465876954325" PlatingCarrier="UAL"/>
  <ItineraryPricing ItemRPH_List="01 02 03 04">
    <Cost AmountAfterTax="745.00" CurrencyCode="USD"/>
  </ItineraryPricing>
  <SpecialRequestDetails>
    <SpecialServiceRequests>
      <SpecialServiceRequest FlightRefNumberRPHList="01" TravelerRefNumberRPHList="01"
SSRCode="VGML">
        <Airline Code="UA">United Airlines</Airline>
      </SpecialServiceRequest>
    </SpecialServiceRequests>
  </SpecialRequestDetails>
</ItineraryInfo>
  <TravelCost>
    <FormOfPayment>
      <PaymentCard CardNumber="3151002645983754" ExpireDate="1205" CardType="MC">
        <CardHolderName>ROBERT A. JONES</CardHolderName>
      </PaymentCard>
    </FormOfPayment>
    <CostTotals AmountAfterTax="1957.92" CurrencyCode="USD"/>
  </TravelCost>
  <UpdatedBy>
    <Access ID="U09932147"/>
  </UpdatedBy>
</TravellItinerary>
</OTA_TravellItineraryRS>

```

Section 12 —Rail Messages

12.1.OTA_RailAvailRQ/RS

The Rail availability request provides the ability to request rail services between two station pairs on a specific date, for a specific number of passengers of a particular passenger type. The request can be narrowed to request availability for a specific train number, and can include fares (where applicable) or just scheduled service.

Optional request information can include:

- Time / Time Window
- Time / Time Window for return journey
- Connecting cities / Number of connections
- Fare Types
- Discount or Promotional codes that may apply to the fare
- Client Preferences (class of service, sleeper cars)
- Maximum number of responses desired

The Availability Response message contains train availability for a station pair on a specific date. A set of origin and destination options is returned, each of which contains one or more (connecting) trains that serve the city pair. The message is intended to provide all the information necessary to travelers to make informed accurate selections prior to booking.

Each option may contain the following:

- Class codes for the class of service or amenities
- Special vendor comments for the city pair
- Whether or not seats can be selected
- On time percentage for the train
- Number and type of passengers
- Fare for each passenger type
- Total Fare for all passengers
- Currency

Because of the wide range of capabilities and requirements in various rail inventory management systems, a number of optional details that relate to the fare rules and restrictions may be returned.

12.1.1. Use Case 1

12.1.1.1. Request: Rail Schedule

Someone requests a timetable for the journey between Glasgow and Marylebone via Birmingham, to arrive in Marylebone between 8 and 10 am on the 6th of December, and departing for the return journey between 10pm and midnight the same day. A maximum of three alternatives is required.

There should be no more than one train change and the response should include company GNER and exclude company Arriva.

OTA_RailAvailRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_RailAvailRQ TimeStamp="2003-11-06T10:25:30" EchoToken="7656" Target="Production"
Version="1.002" MaxResponses="3" ResponseType="Schedules"
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_RailAvailRQ.xsd">
  <POS>
    <Source>
      <RequestorID Type="22" ID="JQIR2004"/>
    </Source>
  </POS>
  <RailAvailInfo MaxChanges="1">
    <OriginDestinationInformation>
      <ArrivalDateTime WindowBefore="PT2H">2003-12-06T10:00:00</ArrivalDateTime>
      <OriginLocation LocationCode="GLC" CodeContext="CRS"/>
      <DestinationLocation LocationCode="MYB" CodeContext="CRS"/>
      <ConnectionLocations>
        <ConnectionLocation LocationCode="BHM" CodeContext="CRS" Inclusive="true"
PreferLevel="Preferred" ConnectionInfo="Via"/>
      </ConnectionLocations>
    </OriginDestinationInformation>
    <ReturnDateTime>
      <DepartureDateTime WindowAfter="PT2H">2003-12-06T22:00:00</DepartureDateTime>
    </ReturnDateTime>
    <RailPrefs>
      <OperatorPref CompanyShortName="GNER" PreferLevel="Preferred"/>
      <OperatorPref CompanyShortName="Arriva" PreferLevel="Unacceptable"/>
    </RailPrefs>
  </RailAvailInfo>
</OTA_RailAvailRQ>
```

12.1.1.2. Response: Schedule Information

The response is returned with the requested information.

OTA_RailAvailRS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_RailAvailRS TimeStamp="2003-11-06T10:25:30" EchoToken="7656" Target="Production"
Version="1.002" ResponseType="Schedules" 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_RailAvailRS.xsd">
  <Success/>
  <OriginDestinationOptions>
```

```

    <OriginDestinationOption>
      <OriginLocation LocationCode="GLC" CodeContext="CRS">Glasgow Central</OriginLocation>
      <DestinationLocation LocationCode="MYB"
CodeContext="CRS">Marylebone</DestinationLocation>
      <Journeys>
        <Journey RouteCode="10000">
          <OriginLocation LocationCode="GLC" CodeContext="CRS">Glasgow
Central</OriginLocation>
          <DestinationLocation LocationCode="BHM" CodeContext="CRS">Birmingham
Central</DestinationLocation>
          <JourneySegments>
            <JourneySegment>
              <TrainSegment DepartureDateTime="2003-12-06T10:15:00"
ArrivalDateTime="2003-12-06T14:15:00" StopQuantity="5" CrossBorder="false" SeatAssignable="true">
                <DepartureStation>
                  <Details LocationCode="GLC" CodeContext="CRS"
Staffed="true">Glasgow Central</Details>
                  <OperationSchedules>
                    <OperationSchedule Start="2002-06-30T00:00:00" End="2003-12-
23T00:00:00">
                      <OperationTimes>
                        <OperationTime Mon="true" Tue="true" Weds="true"
Thur="true" Fri="true" Sat="true" Sun="true"/>
                      </OperationTimes>
                    </OperationSchedule>
                  </OperationSchedules>
                </DepartureStation>
                <ArrivalStation>
                  <Details LocationCode="BHM" CodeContext="CRS"
Staffed="true">Birmingham Central</Details>
                  <OperationSchedules>
                    <OperationSchedule Start="2002-06-30T00:00:00" End="2003-12-
23T00:00:00">
                      <OperationTimes>
                        <OperationTime Mon="true" Tue="true" Weds="true"
Thur="true" Fri="true" Sat="true" Sun="true"/>
                      </OperationTimes>
                    </OperationSchedule>
                  </OperationSchedules>
                </ArrivalStation>
                <MarketingCompany CompanyShortName="GNER"/>
                <Equipment Code="EMU"/>
                <ClassCodes>
                  <ClassCode Code="2"/>
                </ClassCodes>
              </TrainSegment>
            </JourneySegment>
          </JourneySegments>
        </Journey>
      </Journeys>
    </OriginDestinationOption>
  </OriginDestinationOptions>
</OTA_RailAvailRS>

```

12.2.OTA_RailBookRQ/RS

The Book Request message requests a train reservation on a specific rail service provider for travel between two or more stations on specific dates for a specific number and type of passengers in specific classes of service. The optional request information can include:

- Train number
- Departure date and time
- Seat Type, including the direction the seat faces
- Traveler name(s)
- Rate type
- Form of payment
- Delivery address

The Book Response message validates whether or not the booking was successful, provides warning information regarding the booking and itinerary elements including a rail reservation number or “PNR”.

12.2.1. Use Case 1

12.2.1.1. Request: Rail Reservation Booking

The traveler sends a request to book a reservation for a journey between Washington DC and Miami Florida 17 December 2003 on Train 91. A standard Y class has been selected for single traveler. The traveler is paying by an American Express credit card and appropriate personal information is given to complete the booking.

OTA_RailBookRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_RailBookRQ 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_RailBookRQ.xsd"
  EchoToken="183529" TimeStamp="2003-12-16T09:30:47-05:00" Target="Production" Version="1.002"
  SequenceNbr="1" PrimaryLangID="en-us" AltLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="22" ID="JQIR2004"/>
    </Source>
  </POS>
  <RailBookInfo>
    <OriginDestinationOptions>
      <OriginDestinationOption>
        <TrainSegments>
          <TrainSegment DepartureDateTime="2003-12-17T09:30:47-05:00" TrainNumber="91">
            <DepartureStation LocationCode="WAS" CodeContext="Amtrak"/>
            <ArrivalStation LocationCode="MIA" CodeContext="IATA"/>
            <ClassCode Code="Y" Quantity="1"/>
          </TrainSegment>
        </TrainSegments>
      </OriginDestinationOption>
    </OriginDestinationOptions>
  </RailBookInfo>
</OTA_RailBookRQ>
```

```

        </TrainSegments>
    </OriginDestinationOption>
</OriginDestinationOptions>
<TravelerNames>
    <TravelerName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Thomas</GivenName>
        <Surname>Krotchko</Surname>
    </TravelerName>
</TravelerNames>
<RateQualifier PromotionCode="123456"/>
<Fulfillment>
    <DeliveryAddress>
        <AddressLine>508 Brighton</AddressLine>
        <CityName>Brookville</CityName>
        <PostalCode>22222</PostalCode>
        <StateProv StateCode="MD"/>
        <CountryName Code="US"/>
    </DeliveryAddress>
</Fulfillment>
<PaymentForm>
    <PaymentCard CardType="AMX" CardNumber="9700000000000002" ExpireDate="0400">
        <CardHolderName>Thomas Krotchko</CardHolderName>
        <CardIssuerName BankID="American Express"/>
        <Address>
            <AddressLine>508 Brighton</AddressLine>
            <CityName>Brookville</CityName>
            <PostalCode>20833</PostalCode>
            <County>US</County>
            <StateProv StateCode="MD"/>
        </Address>
    </PaymentCard>
</PaymentForm>
</RailBookInfo>
</OTA_RailBookRQ>

```

12.2.1.2. Response: Booking Confirmed

The response to the request is an indication of success, essentially echoing the RQ information for train and passenger information. Pricing information in this case indicates there is no tax for rail tickets.

Also included in the response is station information where available.

Amtrak city codes are not all IATA compliant and are marked as such in the CodeContext.

OTA_RailBookRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_RailBookRS EchoToken="183529" TimeStamp="2003-12-16T09:30:47-05:00" Target="Production"
Version="1.002" SequenceNmbr="1" PrimaryLangID="en-us" AltLangID="en-us"
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_RailBookRS.xsd">
    <Success/>
    <RailReservation>
        <BookingID Type="PNR" ID="134DA1"/>
        <Itinerary>
            <OriginandDestinations>
                <OriginandDestination>
                    <OriginLocation LocationCode="WAS" CodeContext="AMTRAK"/>

```



```

        <DestinationLocation LocationCode="MIA" CodeContext="IATA"/>
        <TrainSegments>
          <TrainSegment DepartureDateTime="2003-12-17T09:30:47-05:00"
ArrivalDateTime="2003-12-18T05:00:47-05:00" TrainNumber="91" StopQuantity="9"
JourneyDuration="P1Y2M3DT10H30M" SmokingAllowed="false" CrossBorder="false" BookStatus="active"
TicketStatus="ticketed">
            <DepartureStation>
              <Details LocationCode="WAS" CodeContext="AMTRAK" Staffed="1"
TicketPrinter="1" SST_Machine="1" USTimeZone="E"/>
              <Address>
                <AddressLine>60 Mass. Ave.</AddressLine>
                <CityName>Washington</CityName>
                <PostalCode>20002</PostalCode>
                <County>US</County>
                <StateProv StateCode="DC">Washington, DC</StateProv>
                <CountryName Code="US"/>
              </Address>
              <Telephone CountryAccessCode="001" AreaCityCode="800"
PhoneNumber="USA-RAIL"/>
            </DepartureStation>
            <ArrivalStation>
              <Details LocationCode="MIA" CodeContext="IATA" Staffed="1"
TicketPrinter="1" SST_Machine="false" USTimeZone="E"/>
            </ArrivalStation>
            <MarketingCompany CompanyShortName="Amtrak"/>
            <OperatingCompany CompanyShortName="Amtrak"/>
            <ClassCode ClassCode="Y" Quantity="1"/>
            <Comment Language="en-us">Questions Call 1-800-USA-RAIL</Comment>
          </TrainSegment>
        </TrainSegments>
      </OriginandDestination>
    </OriginandDestinations>
    <RailCharges CurrencyCode="DOL" DecimalPlaces="2">
      <Total AmountBeforeTax="345.22" AmountAfterTax="345.22" CurrencyCode="DOL"
DecimalPlaces="2">
        <Taxes Amount="0" CurrencyCode="DOL" DecimalPlaces="2">
          <Tax Type="Inclusive" Percent="0.01" Amount="0" CurrencyCode="DOL">
            <TaxDescription ParagraphNumber="1" CreateDateTime="2001-12-17T09:30:47-
05:00" LastModifyDateTime="2001-12-17T09:30:47-05:00" LastModifierID="STR" Language="en-us">
              <Text Formatted="1" Language="en-us">No tax on rail or
accomodation</Text>
            </TaxDescription>
          </Tax>
        </Taxes>
      </Total>
    </Charges>
    <Charge TaxInclusive="1" Type="Inclusive" Code="0" Percent="0.01" Amount="0.00"
CurrencyCode="DOL">
      <Taxes Amount="0" CurrencyCode="DOL" DecimalPlaces="2">
        <Tax Type="Inclusive" Code="0" Percent="0.01" Amount="0.00"
CurrencyCode="DOL">
          <TaxDescription ParagraphNumber="1" CreateDateTime="2001-12-
17T09:30:47-05:00" LastModifyDateTime="2001-12-17T09:30:47-05:00" Language="en-us">
            <Text Formatted="1" Language="en-us"/>
          </TaxDescription>
        </Tax>
      </Taxes>
      <Description ParagraphNumber="1" CreateDateTime="2001-12-17T09:30:47-05:00"
CreatorID="STR" LastModifyDateTime="2001-12-17T09:30:47-05:00" LastModifierID="STR" Language="en-
us">
        <Text Formatted="1" Language="en-us">No refunds after train departure</Text>
      </Description>
    </Charge>
  </Charges>
</RailCharges>
</Itinerary>

```

```

<TravelerNames>
  <TravelerName>
    <NamePrefix>Mr.</NamePrefix>
    <GivenName>Thomas</GivenName>
    <Surname>Krotchko</Surname>
  </TravelerName>
</TravelerNames>
<PaymentRules>
  <PaymentRule RuleType="0" Amount="345.22" CurrencyCode="DOL" Percent="0.01"
DateTime="2003-12-17T09:30:47-05:00" PaymentType="0">No refunds after train departure</PaymentRule>
</PaymentRules>
<Fulfillment>
  <DeliveryAddress>
    <AddressLine>508 Brighton</AddressLine>
    <CityName>Brookville</CityName>
    <PostalCode>22222</PostalCode>
    <County>US</County>
    <StateProv StateCode="MD"/>
    <CountryName Code="US"/>
  </DeliveryAddress>
  <Name>
    <NamePrefix>Mr.</NamePrefix>
    <GivenName>Thomas</GivenName>
    <Surname>Krotchko</Surname>
  </Name>
</Fulfillment>
</RailReservation>
</OTA_RailBookRS>

```

12.3.OTA_RailRetrieveRQ/RS

The Rail Retrieve response message is the response to OTA's generic Read Request for a previously booked itinerary. The response provides the booking, informs the requestor if the booking was successfully retrieved, and provides warning messages.

12.3.1. Use Case 1

12.3.1.1. Request: Booking Information

This instance document describes a request to retrieve a booking (PNR) with the code 123CA2.

OTA_RailRetrieveRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ 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_ReadRQ.xsd"
TimeStamp="2003-12-16T09:30:47-05:00" Target="Production" Version="1.002" SequenceNmbr="1"
PrimaryLangID="en-us" AltLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="22" ID="JQIR2004"/>
    </Source>
  </POS>
  <UniqueID Type="0" Instance="1" ID="123CA2"/>
</OTA_ReadRQ>

```

12.3.1.2. Response: The Booking Information is Returned

The response to the request is an indication of success, echoing the RS information originally provided in the RailBookingRQ. Also included in the response is station information where available.

Amtrak city codes are not all IATA compliant and are marked as such in the CodeContext.

OTA_RailRetrieve RS.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_RailRetrieveRS EchoToken="183529" TimeStamp="2003-12-16T09:30:47-05:00" Target="Production"
Version="1.002" SequenceNmbr="1" PrimaryLangID="en-us" AltLangID="en-us"
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_RailRetrieveRS.xsd">
  <Success/>
  <RailReservation LastHoldDate="2003-12-20">
    <BookingID Type="0" ID="123CA2">
      <CompanyName CompanyShortName="Amtrak"/>
    </BookingID>
    <Itinerary>
      <OriginandDestinations>
        <OriginandDestination>
          <OriginLocation LocationCode="WAS" CodeContext="AMTRAK">Washington,
DC</OriginLocation>
          <DestinationLocation LocationCode="MIA" CodeContext="IATA">Miami,
Florida</DestinationLocation>
          <TrainSegments>
            <TrainSegment DepartureDateTime="2003-12-17T09:30:47-05:00"
ArrivalDateTime="2003-12-17T09:30:47-05:00" TrainNumber="91" StopQuantity="9"
JourneyDuration="P1Y2M3DT17H30M" SmokingAllowed="false" CrossBorder="false" BookStatus="Active"
TicketStatus="Ticketed">
              <DepartureStation>
                <Details LocationCode="WAS" CodeContext="AMTRAK" Staffed="1"
TicketPrinter="1" SST_Machine="1" USTimeZone="E">Washington, DC</Details>
                <Address>
                  <AddressLine>60 Mass Ave</AddressLine>
                  <CityName>Washington</CityName>
                  <PostalCode>20002</PostalCode>
                  <County>US</County>
                  <StateProv StateCode="DC"/>
                  <CountryName Code="US"/>
                </Address>
                <Telephone CountryAccessCode="001" AreaCityCode="800"
PhoneNumber="USA-RAIL"/>
              </DepartureStation>
              <ArrivalStation>
                <Details LocationCode="MIA" CodeContext="IATA" Staffed="1"
TicketPrinter="1" SST_Machine="false" USTimeZone="E"/>
              </ArrivalStation>
              <MarketingCompany CompanyShortName="Amtrak"/>
              <OperatingCompany CompanyShortName="Amtrak"/>
              <ClassCode ClassCode="Y" Quantity="1"/>
              <Comment Language="en-us">Call 1-800-USA-RAIL for more
information</Comment>
            </TrainSegment>
          </TrainSegments>
        </OriginandDestination>
      </OriginandDestinations>
      <RailCharges CurrencyCode="DOL" DecimalPlaces="2">
```

```

        <Total AmountBeforeTax="352.22" AmountAfterTax="352.22" CurrencyCode="DOL "
DecimalPlaces="2"/>
        <Charges>
            <Charge TaxInclusive="1" Type="Inclusive" Code="0" Percent="0.01" Amount="0.00"/>
        </Charges>
    </RailCharges>
</Itinerary>
<TravelerNames>
    <TravelerName>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Thomas</GivenName>
        <Surname>Krotchko</Surname>
    </TravelerName>
</TravelerNames>
<Fulfillment>
    <DeliveryAddress>
        <AddressLine>508 Brighton</AddressLine>
        <CityName>Brookville</CityName>
        <PostalCode>22222</PostalCode>
        <County>USA</County>
        <StateProv StateCode="MD"/>
        <CountryName Code="US"/>
    </DeliveryAddress>
    <Name>
        <NamePrefix>Mr.</NamePrefix>
        <GivenName>Thomas</GivenName>
        <Surname>Krotchko</Surname>
    </Name>
</Fulfillment>
</RailReservation>
</OTA_RailRetrieveRS>

```

Section 13 —Loyalty Messages

Many companies in the travel industry offer loyalty programs. In the past, many companies managed their own loyalty programs, but now there are specialized companies who's sole business is to manage loyalty programs. This standard message set allows the travel industry to communicate with the loyalty industry. All currently defined verticals in the OTA can use this message set.

Within the loyalty services industry, certificates are frequently granted to consumers for use in purchasing products and/or services from participating businesses. These certificates can be given a variety of loyalty point values and can be issued in a variety of formats (e.g., electronic certificates, paper certificates).

13.1.OTA_LoyaltyAccountCreateRQ; OTA_LoyaltyAccountRS

The "LoyaltyAccountCreate" message set allows businesses to send enrolment information to their loyalty service provider to create a new account for one of their customers. This message pair is based on the profile structure (OTA_Profile.xsd) with extensions for information that pertains only to loyalty account creation. In the response message the newly created account information (e.g., membership ID) is returned.

13.1.1. Use Case 1

13.1.1.1. Request: Loyalty Program Enrollment

John T. Smith is checking in for a night's stay at Hotel Z. While at the front desk, the customer requests that they be enrolled in the Hotel's loyalty program. The desk clerk collects the required information for John and his wife, Cathy, and sends request to the loyalty service provider.

OTA_LoyaltyAccountCreateRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyAccountCreateRQ TimeStamp="2003-12-17T09:30:47-05:00" Version="1.002"
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_LoyaltyAccountCreateRQ.xsd">
  <AccountInfo PointBalance="10000" EnrollmentType="Full" EnrollmentMethod="1">
    <MemberInfo>
      <PersonName>
        <GivenName>John</GivenName>
        <MiddleName>T</MiddleName>
        <Surname>Smith</Surname>
      </PersonName>
      <Telephone PhoneNumber="804-333-8989" PhoneUseType="4"/>
      <Telephone PhoneNumber="804-222-7777" PhoneUseType="3"/>
      <Address Type="2">
        <AddressLine>1234 Main Street</AddressLine>
        <AddressLine>Suite 22</AddressLine>
        <CityName>Akron</CityName>
      </Address>
    </MemberInfo>
  </AccountInfo>
</OTA_LoyaltyAccountCreateRQ>
```

```

        <PostalCode>23255</PostalCode>
        <StateProv StateCode="VA"/>
        <CountryName Code="US"/>
    </Address>
    <Email EmailType="1">jsmith99@myserver.com</Email>
    <Email EmailType="2">jsmith@company.com</Email>
    <CompanyName>MyCompany</CompanyName>
    <EmployeeInfo EmployeeTitle="Manager">Manager</EmployeeInfo>
</MemberInfo>
<MemberPreferences Awareness="Web" PromotionCode="A1" AwardsPreference="Points">
    <AdditionalReward MemberID="1234567">
        <Name>
            <GivenName>Cathy</GivenName>
            <Surname>Stevens-Smith</Surname>
        </Name>
    </AdditionalReward>
    <Offer Type="Partner">
        <Communication DistribType="0"/>
    </Offer>
    <Offer Type="Loyalty">
        <Communication DistribType="1"/>
    </Offer>
</MemberPreferences>
</AccountInfo>
<Location LocationCode="524763"/>
</OTA_LoyaltyAccountCreateRQ>

```

13.1.1.2. Response: Loyalty Program Enrollment Confirmation

In the response, the new member number is returned to the clerk. The new member number can then be conveyed to the customer, and at check-out the current night's stay can be credited to the customer's loyalty account for point accumulation.

OTA_LoyaltyAccountRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyAccountRS Version="1.002" 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_LoyaltyAccountRS.xsd">
    <Success/>
    <UniqueID Type="1" ID="7653874T"/>
    <AccountInfo PointBalance="10000" EnrollmentType="Full" EnrollmentMethod="1">
        <MemberInfo>
            <PersonName>
                <GivenName>John</GivenName>
                <MiddleName>T</MiddleName>
                <Surname>Smith</Surname>
            </PersonName>
            <Telephone PhoneNumber="804-333-8989" PhoneUseType="4"/>
            <Telephone PhoneNumber="804-222-7777" PhoneUseType="3"/>
            <Address Type="2">
                <AddressLine>1234 Main Street</AddressLine>
                <AddressLine>Suite 22</AddressLine>
                <CityName>Akron</CityName>
                <PostalCode>23255</PostalCode>
                <StateProv StateCode="VA"/>
                <CountryName Code="US"/>
            </Address>
            <Email EmailType="1">jsmith99@myserver.com</Email>
            <Email EmailType="2">jsmith@company.com</Email>

```

```

        <CompanyName>MyCompany</CompanyName>
        <EmployeeInfo EmployeeTitle="Manager">Manager</EmployeeInfo>
    </MemberInfo>
    <MemberPreferences Awareness="Web" PromotionCode="A1" AwardsPreference="Points">
        <AdditionalReward MemberID="1234567">
            <Name>
                <GivenName>Cathy</GivenName>
                <Surname>Stevens-Smith</Surname>
            </Name>
        </AdditionalReward>
        <Offer Type="Partner">
            <Communication DistribType="0"/>
        </Offer>
        <Offer Type="Loyalty">
            <Communication DistribType="1"/>
        </Offer>
    </MemberPreferences>
</AccountInfo>
</OTA_LoyaltyAccountRS>

```

13.2. OTA_LoyaltyCertificateCreateRQ/RS and OTA_LoyaltyCertificateCreateNotifRQ/RS

The “LoyaltyCertificateCreate” and “LoyaltyCertificateCreateNotif” message sets allow businesses to communicate with their loyalty service provider to generate redemption certificates for their customers. Whereas the “Create” message pair is for on-line information exchange, the “CreateNotif” message pair is for a batch “push” transmission.

13.2.1. Use Case 1

13.2.1.1. Request: Loyalty Program Certificate Creation

John T Smith is checking in for a single night’s stay at Hotel Z. While at the front desk, the customer indicates that they would like to use points accumulated through the Hotel’s loyalty program to pay for the current night stay. Having verified that the customer has the required number of points for a free night stay (see LoyaltyAccount message set), the desk clerk can use the property management system to send a message to their loyalty service provider to generate a redemption certificate for the appropriate number of loyalty points.

OTA_LoyaltyCertificateCreateRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyCertificateCreateRQ Version="1.002" 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_LoyaltyCertificateCreateRQ.xsd">
    <Customer>
        <GivenName>John</GivenName>
        <MiddleName>T</MiddleName>
        <Surname>Smith</Surname>
    </Customer>
    <TravellerInfos>
        <TravellerInfo>
            <HotelStayInfo BrandCode="RA" HotelCityCode="RIC" HotelCodeContext="2">
                <RoomStayInfo Duration="P0Y0M3DT00H00M">

```

```

        <RoomType NumberOfUnits="1"/>
      </RoomStayInfo>
    </HotelStayInfo>
  </TravellInfo>
  <LoyaltyCertificateDetail MemberNumber="T176309763"/>
</TravellInfos>
</OTA_LoyaltyCertificateCreateRQ>

```

13.2.1.2. Response: Verification of Certificate

After deducting the requested number of points from the customers account and generating an electronic certificate, the loyalty service provider will respond with a message to verify the creation of the certificate and enabling the hotel to store a reference to the certificate within their database.

OTA_LoyaltyCertificateCreateRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyCertificateCreateRS Version="1.001" 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_LoyaltyCertificateCreateRS.xsd">
  <Success/>
  <LoyaltyCertificateDetail CertificateNumber="47458S"/>
</OTA_LoyaltyCertificateCreateRS>

```

13.3.OTA_LoyaltyCertificateRedemptionRQ/RS

The “LoyaltyCertificateRedemption” message set allows businesses to notify their loyalty service provider, or loyalty service providers to notify businesses, that a customer has redeemed an existing redemption certificate.

13.3.1. Use Case 1

13.3.1.1. Request: Loyalty Program Certificate Redemption

Customer A is checking in for a single night’s stay at Hotel Z. While at the front desk, the customer indicates that they would like to use points accumulated through the Hotel’s loyalty program to pay for the current night stay. The desk clerk can use the property management system to send a message to their loyalty service provider to indicate that an existing certificate has been redeemed.

OTA_LoyaltyCertificateRedemptionRQ.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyCertificateRedemptionRQ Version="1.002" TimeStamp="2003-10-13T09:30:47-05:00"
  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_LoyaltyCertificateRedemptionRQ.xsd">
  <RedemptionInfo>
    <RedemptionDetail CertificateNumber="47458S" MemberNumber="T176309763"/>
  <TravellInfos>
    <TravellInfo>
      <HotelStayInfo BrandCode="RA" HotelCode="524763">
        <ReservationID Type="1" ID="78694673"/>
        <RoomStayInfo Start="2003-10-13T00:00:00-05:00" Duration="P1D">

```



```

        <RoomType NumberOfUnits="2"/>
    </RoomStayInfo>
</HotelStayInfo>
</TravellInfo>
</TravellInfos>
</RedemptionInfo>
</OTA_LoyaltyCertificateRedemptionRQ>

```

13.3.1.2. Response: Verification of Certificate Redemption

After marking the certificate as redeemed within their internal accounting system, the loyalty service provider will respond with a message to verify that the certificate has been redeemed.

OTA_LoyaltyCertificateRedemptionRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyCertificateRedemptionRS Version="1.001" 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_LoyaltyCertificateRedemptionRS.xsd">
    <Success/>
</OTA_LoyaltyCertificateRedemptionRS>

```

13.4.OTA_ReadRQ; OTA_LoyaltyAccountRS

This message set allows businesses to request from their loyalty service provider account information for customers enrolled in their loyalty program. The generic OTA_ReadRQ message is used to request the loyalty account information. In response, the loyalty service provider returns a message containing the customers account information. The response is based on the OTA_Profile.xsd with extensions for the information that pertains specifically to the loyalty account.

13.4.1. Use Case 1

13.4.1.1. Request: Loyalty Account Information

Customer A is checking in for a night stay at Hotel Z. While at the front desk, the customer has questions regarding their loyalty account information. The desk clerk sends a message to the loalty service provider to request information about the status of the customer's loyalty account.

OTA_ReadRQ8.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ReadRQ Version="1.002" 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_ReadRQ.xsd">
    <UniqueID Type="1" ID="T176309763"/>
</OTA_ReadRQ>

```

13.4.1.2. Response: Loyalty Account Information

The service provider responds with the customer's account information.

OTA_LoyaltyAccountRS2.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_LoyaltyAccountRS Version="1.002" 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_LoyaltyAccountRS.xsd">
  <Success/>
  <UniqueID Type="1" ID="7653874T"/>
  <AccountInfo PointBalance="10000" EnrollmentType="Full" EnrollmentMethod="1">
    <MemberInfo>
      <PersonName>
        <GivenName>John</GivenName>
        <MiddleName>T</MiddleName>
        <Surname>Smith</Surname>
      </PersonName>
      <Telephone PhoneNumber="804-333-8989" PhoneUseType="4"/>
      <Telephone PhoneNumber="804-222-7777" PhoneUseType="3"/>
      <Address Type="2">
        <AddressLine>1234 Main Street</AddressLine>
        <AddressLine>Suite 22</AddressLine>
        <CityName>Akron</CityName>
        <PostalCode>23255</PostalCode>
        <StateProv StateCode="VA"/>
        <CountryName Code="US"/>
      </Address>
      <Email EmailType="1">jsmith99@myserver.com</Email>
      <Email EmailType="2">jsmith@company.com</Email>
      <CompanyName>MyCompany</CompanyName>
      <EmployeeInfo EmployeeTitle="Manager">Manager</EmployeeInfo>
    </MemberInfo>
    <MemberPreferences Awareness="Web" PromotionCode="A1" AwardsPreference="Points">
      <AdditionalReward MemberID="1234567">
        <Name>
          <GivenName>Cathy</GivenName>
          <Surname>Stevens-Smith</Surname>
        </Name>
      </AdditionalReward>
      <Offer Type="Partner">
        <Communication DistribType="0"/>
      </Offer>
      <Offer Type="Loyalty">
        <Communication DistribType="1"/>
      </Offer>
    </MemberPreferences>
  </AccountInfo>
</OTA_LoyaltyAccountRS>
```

Section 14 —Profile

The Profile messages define the detailed business content of a customer profile from a travel industry perspective. This specification provides a set of common messages for transmitting customer profile data that customers provide to travel services to create these profiles, and for the exchange of profile information between travel services within the industry.

A profile includes basic information about a customer or a company for identification as well as financial transactions, memberships and contacts. The profile also defines collections of preferences for specific types of travel including key travel support services such as travel agencies and insurance. Profiles contain information about organizational affiliations, and identify certifications and alliances held by companies in their business relationships. No supplier pricing information is included, nor is data on the travel policies or requirements of an organization addressed in this specification.

14.1.OTA_ProfileCreateRQ/RS

Create messages define an operation that generates a new record with a unique identifier. The sequence follows these steps.

- Requestor sends a Create request along with the initial data, and optionally a unique identifier.
- Responder creates a new record and assigns a unique identifier (e.g., a Profiler ID or Reservation ID)
- Responder responds with a message providing a unique identifier for the new record created.

14.1.1. Use Case 1

14.1.1.1. Request: Create Profile

Ms. Delilah Beaudry works for ABC Corporation and travels often for business. The travel division of ABC Corporation uses a Worldspan product to do their business travel booking. They want to set up a profile for Ms. Beaudry so that there will be information such as address, phone number, credit card and personal preferences in the Worldspan data base so that they will not have to input this information for each booking.

The ABC Corporation sends a message to create a customer profile. This message includes name, birthdate, gender, phone numbers, address, loyalty program membership numbers, and credit card number and expiration date. Because Ms. Beaudry doesn't want this information shared with anyone else, the indicators for 'sharing' info are set to No.

OTA_ProfileCreateRQ.xml

```
<?xml version="1.0" encoding="UTF-8"?>
<OTA_ProfileCreateRQ 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_ProfileCreateRQ.xsd" EchoToken="452987" TimeStamp="2003-03-17T09:30:47-05:00"
  Target="Production" Version="1.002" SequenceNbr="1">
  <UniquelD Type="21" ID="4389-34587">
    <CompanyName CompanyShortName="ABC Corporation"/>
  </UniquelD>
  <Profile ShareAllSynchInd="No" ShareAllMarketInd="No" ProfileType="1" CreateDateTime="2003-03-17T09:30:47-05:00" CreatorID="73482" LastModifyDateTime="2003-03-17T09:30:47-05:00">
    <Accesses ShareSynchInd="No" ShareMarketInd="No" CreateDateTime="2003-03-17T09:30:47-05:00">
      <Access ActionType="Create" ActionDateTime="2003-03-17T09:30:47-05:00" ID="3452849"/>
    </Accesses>
    <Customer Gender="Female" Deceased="false" BirthDate="1949-06-03" CurrencyCode="USD"
      DecimalPlaces="2">
      <PersonName ShareSynchInd="Inherit" ShareMarketInd="Inherit" NameType="0">
        <NamePrefix>Ms</NamePrefix>
        <GivenName>Delilah</GivenName>
        <MiddleName>Ann</MiddleName>
        <Surname>Beaudry</Surname>
      </PersonName>
      <Telephone ShareSynchInd="Inherit" ShareMarketInd="Inherit" PhoneTechType="1"
        CountryAccessCode="001" AreaCityCode="770" PhoneNumber="563-2891" PhoneUseType="3"/>
      <Telephone ShareSynchInd="Inherit" ShareMarketInd="Inherit" PhoneTechType="5"
        CountryAccessCode="001" AreaCityCode="404" PhoneNumber="933-0045" PhoneUseType="4"/>
      <Email>delilah@hotmail.com</Email>
      <Address FormattedInd="false" ShareSynchInd="Inherit" ShareMarketInd="Inherit" UseType="2">
        <StreetNmbr>2980 Elm Street</StreetNmbr>
        <CityName>Atlanta</CityName>
        <PostalCode>30067</PostalCode>
        <County>Cobb</County>
        <StateProv>GA</StateProv>
        <CountryName Code="US"/>
      </Address>
      <CitizenCountryName DefaultInd="true" Code="US"/>
      <PaymentForm ShareSynchInd="Inherit" ShareMarketInd="Inherit">
        <PaymentCard ShareSynchInd="Inherit" ShareMarketInd="Inherit" CardType="1"
          CardCode="AX" CardNumber="832593235600" ExpireDate="0405">
          <CardHolderName>Delilah A. Beaudry</CardHolderName>
        </PaymentCard>
      </PaymentForm>
      <Document ShareSynchInd="Inherit" ShareMarketInd="Inherit" DocIssueAuthority="US"
        DocIssueLocation="Miami, FL" DocID="34985769574" DocType="2" EffectiveDate="1995-02-05"
        ExpireDate="2005-02-05">
        <DocHolderName>Delilah A. Beaudry</DocHolderName>
      </Document>
      <CustLoyalty ShareSynchInd="Inherit" ShareMarketInd="Inherit" ProgramID="DL"
        MembershipID="589038475" TravelSector="1" LoyallLevel="Gold" SingleVendorInd="Alliance"
        SignupDate="1985-04-23" EffectiveDate="1985-04-23"/>
      <CustLoyalty ShareSynchInd="Inherit" ShareMarketInd="Inherit" ProgramID="Avis"
        MembershipID="458574943" TravelSector="2" SingleVendorInd="SingleVndr" SignupDate="1998-11-05"
        EffectiveDate="1998-11-05"/>
      <EmployeeInfo>String</EmployeeInfo>
      <EmployeeInfo>String</EmployeeInfo>
    </Customer>
    <PrefCollections ShareSynchInd="Inherit" ShareMarketInd="Inherit">
      <PrefCollection ShareSynchInd="Inherit" ShareMarketInd="Inherit" TravelPurpose="1">
        <CommonPref ShareSynchInd="Inherit" ShareMarketInd="Inherit" SmokingAllowed="false"
          PrimaryLangID="en-us" AltLangID="en-us">
          <PaymentFormPref PreferLevel="Preferred">Credit card</PaymentFormPref>
        </CommonPref>
      </PrefCollection>
    </PrefCollections>
  </Profile>
</OTA_ProfileCreateRQ>
```

```

        </PrefCollection>
    </PrefCollections>
</Profile>
</OTA_ProfileCreateRQ>

```

14.1.1.2. Response: Profile Created

On successful creation of the profile, Worldspan responds with a unique id for Ms. Beaudry's profile.

OTA_ProfileCreateRS.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<OTA_ProfileCreateRS 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_ProfileCreateRS.xsd" EchoToken="45297" TimeStamp="2003-03-17T09:30:47-05:00"
  Target="Production" Version="1.001" SequenceNbr="1">
  <Success/>
  <UniqueID Type="21" ID="542084">
    <CompanyName CompanyShortName="1P"/>
  </UniqueID>
</OTA_ProfileCreateRS>

```

Section 15 —Appendix

15.1.Specification Versioning Table

The first issue of the XML Schema is indicated by either a ‘N’ for new or the actual version number in the release column.

	2001			2002		2003		2004		2005
XSD Name	A	B	C	A	B	A	B	A	B	A
OTA_AirAvailRQ				N			2.000	2.001	2.002	2.003
OTA_AirAvailRS				N			1.001	1.002	1.003	1.004
OTA_AirBookModifyRQ										1.000
OTA_AirBookRQ		N					2.000	2.001	3.000	4.000
OTA_AirBookRS		N					2.000	2.001	3.000	4.000
OTA_AirCommonTypes				N			2.000	2.001	3.000	4.000
OTA_AirDetailsRQ				N			1.001	1.002	1.003	1.004
OTA_AirDetailsRS				N			1.001	1.002	1.003	1.004
OTA_AirFareDisplayRQ										1.000
OTA_AirFareDisplayRS										1.000
OTA_AirFlifoRQ					N		1.001	1.002	1.003	1.004
OTA_AirFlifoRS					N		1.001	1.002	1.003	1.004
OTA_AirLowFareSearchRQ				N			2.000	2.001	2.002	2.003
OTA_AirLowFareSearchRS				N			2.000	2.001	3.000	3.001
OTA_AirPreferences				N			1.001	1.002	1.003	1.004
OTA_AirPriceRQ				N			2.000	2.001	2.002	2.003
OTA_AirPriceRS				N			2.000	2.001	3.000	3.001
OTA_AirRulesRQ				N			2.000	2.001	2.002	2.003
OTA_AirRulesRS				N			2.000	2.001	2.002	2.003
OTA_AirScheduleRQ					N		1.001	1.002	1.003	1.004
OTA_AirScheduleRS					N		1.001	1.002	1.003	1.004
OTA_AirSeatMapRQ					N		1.000	1.001	1.002	1.003
OTA_AirSeatMapRS					N		1.000	1.001	2.000	2.001
OTA_CancelRQ					N		1.001	1.002	1.003	1.004
OTA_CancelRS					N		1.001	1.001	1.002	1.003
OTA_CommonPrefs				N			1.001	1.002	1.003	1.004
OTA_CommonTypes				N			1.001	1.002	1.003	1.004
OTA_DeleteRQ	N						1.001	1.002	1.003	1.004
OTA_DeleteRS	N						1.001	1.001	1.002	1.003
OTA_DestActivityCapabilitiesRQ										1.000
OTA_DestActivityCapabilitiesRS										1.000
OTA_DestActivityResRQ										1.000
OTA_DestActivityResRS										1.000
OTA_DestinationActivity										1.000
OTA_ErrorRS					N		1.001	1.001	1.002	1.002
OTA_GolfCommonTypes				N			1.001	1.002	1.003	1.003

	2001			2002		2003		2004		2005
XSD Name	A	B	C	A	B	A	B	A	B	A
OTA_GolfCourseAvailRQ			N				1.001	1.001	1.002	1.003
OTA_GolfCourseAvailRS			N				1.001	1.001	1.002	1.003
OTA_GolfCourseResRQ			N				1.001	1.002	1.003	1.004
OTA_GolfCourseResRS			N				1.001	1.002	1.003	1.004
OTA_GolfCourseSearchRQ			N				1.001	1.001	1.002	1.003
OTA_GolfCourseSearchRS			N				1.001	1.002	1.003	1.004
OTA_HotelAvailNotifRQ		N					1.001	1.002	1.003	1.004
OTA_HotelAvailNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelAvailRQ		N					1.001	1.002	1.003	1.004
OTA_HotelAvailRS		N					1.001	1.002	1.003	2.000
OTA_HotelBookingRuleNotifRQ		N					1.001	1.002	1.003	2.000
OTA_HotelBookingRuleNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelCommNotifRQ		N					1.001	1.002	1.003	1.004
OTA_HotelCommNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelCommonTypes				N			1.001	2.000	2.001	3.000
OTA_HotelContentDescription					N		1.001	2.000	2.001	3.000
OTA_HotelDescriptiveContentNotifRQ		N					1.001	2.000	2.001	3.000
OTA_HotelDescriptiveContentNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelDescriptiveInfoRQ					N		1.001	1.002	1.003	1.004
OTA_HotelDescriptiveInfoRS					N		1.001	2.000	2.001	3.000
OTA_HotelGetMsgRQ		N					1.001	1.002	1.003	1.004
OTA_HotelGetMsgRS		N					1.001	1.002	1.003	1.004
OTA_HotelInvAdjustRQ		N					1.001	1.001	1.002	1.003
OTA_HotelInvAdjustRS		N					1.001	1.001	1.002	1.003
OTA_HotelInvBlockNotifRQ		N					1.001	2.000	2.001	3.000
OTA_HotelInvBlockNotifRS		N					1.001	2.000	2.001	2.002
OTA_HotelInvCountNotifRQ		N					1.001	1.002	1.003	1.004
OTA_HotelInvCountNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelInvNotifRQ		N					1.001	2.000	2.001	2.002
OTA_HotelInvNotifRS		N					1.001	1.001	1.002	1.002
OTA_HotelInvSyncRQ		N					1.001	1.001	1.002	1.003
OTA_HotelInvSyncRS		N					1.001	1.001	1.002	1.003
OTA_HotelPreferences		N					1.001	1.002	1.003	1.004
OTA_HotelRateAmountNotifRQ		N					1.001	1.002	1.003	2.000
OTA_HotelRateAmountNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelRatePlanNotifRQ		N					1.001	2.000	2.001	3.000
OTA_HotelRatePlanNotifRS		N					1.001	1.001	1.002	1.002
OTA_HotelReservation				N			1.001	1.002	1.003	2.000
OTA_HotelResModifyRQ						1.0	1.001	1.002	1.003	2.000
OTA_HotelResModifyRS						1.0	1.001	1.002	1.003	2.000
OTA_HotelResModifyNotifRQ							1.000	1.001	1.002	2.000
OTA_HotelResModifyNotifRS							1.000	1.001	1.002	2.000
OTA_HotelResNotifRQ		N					1.001	1.002	1.003	2.000
OTA_HotelResNotifRS		N					1.001	1.002	1.003	2.000
OTA_HotelResRQ		N					1.001	1.002	1.003	2.000

	2001			2002		2003		2004		2005
XSD Name	A	B	C	A	B	A	B	A	B	A
OTA_HotelResRS		N					1.001	1.002	1.003	2.000
OTA_HotelRFP							1.000	1.001	1.002	2.000
OTA_HotelRFP_RQ*						1.0	1.001			
OTA_HotelRFP_RS*						1.0	2.000			
OTA_HotelRFP_MeetingRQ								1.000	1.001	1.002
OTA_HotelRFP_MeetingRS								1.000	2.000	2.001
OTA_HotelRFP_MeetingNotifRQ								1.000	2.000	2.001
OTA_HotelRFP_MeetingNotifRS								1.000	1.001	1.002
OTA_HotelRFP_NotifRQ*							1.000			
OTA_HotelRFP_NotifRS*							1.000			
OTA_HotelRFP_TransientNotifRQ									1.000	2.000
OTA_HotelRFP_TransientNotifRS									1.000	1.001
OTA_HotelRFP_TransientRQ									1.000	1.001
OTA_HotelRFP_TransientRS									1.000	2.000
OTA_HotelRoomListRQ					N		1.001	1.002	1.003	2.000
OTA_HotelRoomListRS					N		1.001	1.002	1.003	2.000
OTA_HotelSearchRQ		N					1.001	1.002	1.003	1.004
OTA_HotelSearchRS		N					1.001	1.002	1.003	1.004
OTA_HotelStatsNotifRQ		N					1.001	1.001	2.000	2.001
OTA_HotelStatsNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelStatsRQ		N					1.001	1.002	2.000	2.001
OTA_HotelStatsRS		N					1.001	1.001	2.000	2.001
OTA_HotelStayInfoNotifRQ		N					1.001	1.002	1.003	2.000
OTA_HotelStayInfoNotifRS		N					1.001	1.001	1.002	1.003
OTA_HotelSummaryNotifRQ		N					1.001	1.001	1.002	1.002
OTA_HotelSummaryNotifRS		N					1.001	1.001	1.002	1.003
OTA_InsuranceBookRQ		N					1.001	1.002	1.003	1.004
OTA_InsuranceBookRS		N					1.001	1.002	1.003	1.004
OTA_InsuranceCommonTypes				N			1.001	1.002	1.003	1.004
OTA_InsurancePlanSearchRQ						1.0	1.001	1.002	1.003	1.004
OTA_InsurancePlanSearchRS						1.0	1.001	1.001	1.002	1.003
OTA_InsuranceQuoteRQ		N					1.001	1.002	1.003	1.004
OTA_InsuranceQuoteRS		N					1.001	1.002	1.003	1.004
OTA_LoyaltyAccountCreateRQ					N		1.001	1.002	1.003	1.004
OTA_LoyaltyAccountRS					N		1.001	1.002	1.003	1.004
OTA_LoyaltyCertificateCreateNotifRQ					N		1.001	1.002	1.003	1.004
OTA_LoyaltyCertificateCreateNotifRS					N		1.001	1.001	1.002	1.002
OTA_LoyaltyCertificateCreateRQ					N		1.001	1.002	1.003	1.004
OTA_LoyaltyCertificateCreateRS					N		1.001	1.001	1.002	1.002
OTA_LoyaltyCertificateRedemptionRQ					N		1.001	1.002	1.003	1.004
OTA_LoyaltyCertificateRedemptionRS					N		1.001	1.001	1.002	1.002
OTA_LoyaltyCommonTypes					N		1.001	1.002	1.003	1.004
OTA_MeetingProfile		N					1.001	1.002	1.003	1.004
OTA_PingRQ				N			1.001	1.001	1.002	1.002
OTA_PingRS				N			1.001	1.001	1.002	1.003

	2001			2002		2003		2004		2005
XSD Name	A	B	C	A	B	A	B	A	B	A
OTA_PkgAvailRQ			N				2.000	2.001	2.002	3.000
OTA_PkgAvailRS			N				2.000	2.001	2.002	3.000
OTA_PkgBookRQ			N				2.000	2.001	2.002	3.000
OTA_PkgBookRS			N				2.000	2.001	2.002	3.000
OTA_PkgCommonTypes				N			2.000	2.001	2.002	3.000
OTA_PkgCostRQ										1.000
OTA_PkgCostRS										1.000
OTA_PkgExtrasInfoRQ										1.000
OTA_PkgExtrasInfoRS										1.000
OTA_PkgReservation				N			2.000	2.001	2.002	3.000
OTA_Profile				N			1.001	1.002	1.003	1.004
OTA_ProfileCreateRQ				N			1.001	1.002	1.003	1.004
OTA_ProfileCreateRS				N			1.001	1.001	1.002	1.003
OTA_ProfileReadRS						1.0	1.001	1.002	1.003	1.004
OTA_RailAvailRQ					N		1.001	1.002	1.003	1.004
OTA_RailAvailRS					N		1.001	1.002	1.003	1.004
OTA_RailBookRQ					N		1.001	1.002	1.003	1.004
OTA_RailBookRS					N		1.001	1.002	1.003	1.004
OTA_RailCommonTypes					N		1.001	1.002	1.003	1.004
OTA_RailRetrieveRS					N		1.001	1.002	1.003	1.004
OTA_ReadRQ	N						1.001	1.002	1.003	1.004
OTA_ResRetrieveRS							1.000	2.000	2.001	3.000
OTA_ScreenTextRQ										1.000
OTA_ScreenTextRS										1.000
OTA_SimpleTypes				N			1.001	1.002	1.003	2.000
OTA_TravellItineraryReadRQ					N		1.001	1.002	1.003	1.004
OTA_TravellItineraryRS					N		2.000	2.001	3.000	4.000
OTA_UpdateRQ	N						1.001	1.002	1.003	1.004
OTA_UpdateRS	N						1.001	1.001	1.002	1.003
OTA_VehAvailRateRQ		N					1.001	1.002	1.003	1.004
OTA_VehAvailRateRS		N					2.000	2.001	2.002	2.003
OTA_VehCancelRQ				N			1.001	1.002	1.003	1.004
OTA_VehCancelRS				N			2.000	2.001	2.002	2.003
OTA_VehCheckInRQ									1.000	2.000
OTA_VehCheckInRS									1.000	2.000
OTA_VehCheckOutRQ									1.000	2.000
OTA_VehCheckOutRS									1.000	2.000
OTA_VehicleCommonTypes				N			2.000	2.001	2.002	3.000
OTA_VehLocDetailRQ					N		1.001	1.002	1.003	1.004
OTA_VehLocDetailRS					N		2.000	2.001	2.002	2.003
OTA_VehLocSearchRQ					N		1.001	1.002	1.003	1.004
OTA_VehLocSearchRS					N		2.000	2.001	2.002	2.003
OTA_VehModifyRQ				N			1.001	1.002	1.003	1.004
OTA_VehModifyRS				N			2.000	2.001	2.002	2.003
OTA_VehResRQ		N					1.001	1.002	1.003	1.004

	2001			2002		2003		2004		2005
XSD Name	A	B	C	A	B	A	B	A	B	A
OTA_VehResRS		N					2.000	2.001	2.002	2.003
OTA_VehRetResRQ				N			1.001	1.002	1.003	1.004
OTA_VehRetResRS				N			1.001	1.002	1.003	1.004

* The HotelRFP messages were given new names in 2004A. They are now more specifically HotelRFPMeeting messages.

The following table lists XML Schemas that were created in the early versions of the specification and were later either deprecated and/or replaced in one of the common type OTA XML Schemas or by a new message.

	2001			2002
XSD Name	A	B	C	A
Address			N	Deprecated – now included in OTA_CommonTypes as AddressInfoType
AirItinerary		N		Deprecated – now included in OTA_AirCommonTypes as AirItineraryType
AirTraveler		N		Deprecated – now included in OTA_AirCommonTypes as AirTravelerType
ArrivalDaysOfWeek		N		Deprecated – now included in OTA_SimpleTypes as DayOfWeekType
CancelPenalties		N		Deprecated - now included in OTA_HotelCommonTypes as CancelPenaltiesType
CommonAirSchema		N		Deprecated - now included in OTA_AirCommonTypes and OTA_CommonTypes
CompanyName		N		Deprecated - now included in OTA_CommonTypes as CompanyNameType
Control	N	Deprecated		
DateTimeSpan		N		Deprecated – now included in OTA_CommonTypes as DateTimeSpanType
DestinationSystemCodes		N		Deprecated – now included in OTA_HotelCommonTypes as DestinationSystemCodesType
DOWPattern		N		Deprecated – now included in OTA_CommonTypes as DOW_PatternType
Email			N	Deprecated – now included in OTA_CommonTypes as EmailType.
GolfCourseRes			N	Deprecated – now included in OTA_GolfCommonTypes as GolfCourseResType
GolfCourseTeeTimes			N	Deprecated – now included in OTA_GolfCommonTypes as GolfCourseTeeTimeType

	2001			2002
XSD Name	A	B	C	A
HotelReference		N		Deprecated – now included in OTA_CommonTypes as HotelReferenceGroup
InvBlockCode		N		Deprecated – now included in OTA_HotelCommonTypes as InvBlockCodeType
Memberships			N	Deprecated – now included in OTA_GolfCommonTypes as MembershipsType
OTA_CreateProfileRQ	N			Deprecated – message name changed to OTA_ProfileCreateRQ
OTA_CreateProfileRS	N			Deprecated – message name changed to OTA_ProfileCreateRS
OTA_ReadProfileRS	N			Deprecated – message name changed to OTA_ProfileReadRS
OTA_nvent	N	Deprecated –included in OTA_v2ent.xsd		
OTA_payloadRQ	N	Deprecated		
OTA_payloadRS	N	Deprecated		
OTA_pos		N		Deprecated – now included in OTA_CommonTypes as POS_Type
OTA_stderr	N	Deprecated – included in OTA_v2ent.xsd		
OTA_v2ent	N			Deprecated – replaced by OTA_ErrorRS.xsd
OTA_Privacy	N			Deprecated – now included in OTA_CommonTypes as PrivacyGroup
PackageRequest			N	Deprecated – now included in OTA_PackageCommonTypes as PackageType
PaymentForm			N	Deprecated – now included in OTA_CommonTypes as PaymentFormType
PersonName			N	Deprecated – now included in OTA_CommonTypes as PersonNameType
PkgCodeList			N	Deprecated – now included in OTA_PackageCommonTypes, OTA_CommonTypes, and OTA_SimpleTypes
PkgCommonElements			N	Deprecated – replaced with OTA_PackageCommonTypes
PackageInvoiceDetail			N	Deprecated – now included in OTA_PackageCommonTypes as PkgInvoiceDetail
PkgPackageSegment			N	Deprecated – now included in OTA_PackageCommonTypes as PackageType
PkgPassengerListItem			N	Deprecated – now included in OTA_PackageCommonTypes as PkgPassengerListItem
PkgRoomProfile			N	Deprecated – now included in OTA_PackageCommonTypes as PkgRoomProfileType

	2001			2002
XSD Name	A	B	C	A
PkgStdTypes			N	Deprecated – now included in OTA_PackageCommonTypes and OTA_CommonTypes
PkgTravelJourney			N	Deprecated – now included in OTA_PackageCommonTypes as PkgTravelJourney
PkgTravelSegment			N	Deprecated – now included in OTA_PackageCommonTypes as PkgTravelSegment
Preferences			N	Deprecated – replaced with OTA_CommonPrefs
Privacy		N		Deprecated – now included in OTA_CommonTypes as PrivacyGroup
ProductDescriptions		N		Deprecated – now included in OTA_HotelCommonTypes as ProductDescriptionsType
Profile	N			Deprecated – replaced with OTA_Profile
ProfileRef		N		Deprecated – replaced with OTA_Profile
ProfileType		N		Deprecated – replaced with OTA_Profile
RoutingHop		N		Deprecated – now included in OTA_HotelCommonTypes as RoutingHopType
SellableProducts		N		Deprecated – now included in OTA_HotelCommonTypes as SellableProductsType
SpecialReqDetails		N		Deprecated – now included in OTA_AirCommonTypes as SpecialReqDetailsType
Statistics		N		Deprecated – now included in OTA_HotelCommonTypes as StatisticsType
StatusApplicationControl		N		Deprecated – now included in OTA_HotelCommonTypes as StatusApplicationControlType
Telephone			N	Deprecated – now included in OTA_CommonTypes as TelephoneType
Ticketing		N		Deprecated – now included in OTA_AirCommonTypes as TicketingInfoType
TPA_Extensions			N	Deprecated – now included in OTA_CommonTypes as TPA_ExtensionsType
TravelerInfo		N		Deprecated – now included in OTA_AirCommonTypes as TravelerInfoType
UniqueID		N		Deprecated – now included in OTA_CommonTypes as UniqueID_Type
Viewership		N		Deprecated – now included in OTA_HotelCommonTypes as ViewershipsType

	2001			2002
XSD Name	A	B	C	A
WrittenConfInst		N		Deprecated – now included in OTA_HotelCommonTypes as WrittenConfInstType