BookIt Availability Integration Guide 1.92

BookIt.com Availability Push Integration Guide

Based on OTA revision 2011A

Revision History

Date	Rev	Author	Revision Notes
February 16, 2012	1.0	Andrew Rutter	
March 20, 2012	1.1	Andrew Rutter	Extended to include HotelRatePlanNotif
March 23, 2012	1.2	Andrew Rutter	Added BookIt.com® Look and Feel
April 4, 2012	1.3	Andrew Rutter	Extended to support HTNG formatted requests
April 4 2012	1.4	Iain Saxton	Final Review
April 5, 2012	1.5	Andrew Rutter	Final Edits
May 23, 2012	1.6	Andrew Rutter	Added support for OTA_HotelAvailGet, OTA_HotelRatePlan and OTA_HotelInvCount
May 31, 2012	1.7	Deric Hicks	Adjusted messaging to be slightly more generic; final edits.
August 15, 2012	1.8	Andrew Rutter	Added support for OTA_HotelDescriptiveInfo
September 4, 2012	1.9	Andrew Rutter	Updated OTA_HotelRatePlanRQ to include date constraints in the request
May 9, 2013	1.91	Ryan Altman	Added support for BookingRestrictions; MinArrival, MaxArrival.
September 5, 2013	1.92	Ryan Altman	Adding support for OTA_HotelAvailRQ.

Basic Overview

Integration to BookIt.com® is based on the OTA specifications that are available from **http://www.opentravel.org** . All transactions are based on the receipt of a synchronous request from a third party application and a response to that request through the same physical channel.

This documentation assumes advanced working knowledge of web services, SOAP and the client application platform/programming used to consume these web services. No attempt is made to explain these concepts. For further information on concepts and technologies required for web services implementation, please refer to the W3C website: http://www.w3.org/TR/2003/REC-soap12-part0-20030624/ , http://www.w3.org/2002/ws/, and to the documentation for your particular development platform.

Message Structure

All messages have the same basic structure and make use of the Simple Object Access Protocol (SOAP) standards. Specifically, requests must be contained within a valid SOAP envelope containing both a header and body part.

All messages are based on the Open Travel Alliance (OTA) Specifications and consist of discrete messages broken into request/response pairs. For example, a request to update rate amounts over a specific date range will consist of an OTA_HotelRateAmountNotifRQ message being sent to the BookIt.com® API in the body part of a SOAP envelope. Once processing has been completed, an OTA_HotelRateAmountNotifRS message will be returned to the source system.

Two different standards based message wrappers are supported by the interface which primarily change how and where authentication information is placed within the message. The two approaches are OTA or the preferred implementation from the Hotel Technology Next Generation working group or HTNG. The implementing system is free to choose between them based on prior integration however the preference is to implement according to the HTNG standard since this is more accurately modeled around global standards of ws-addressing and ws-security.

OTA Wrapped Requests

A sample request is shown below.

```
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header>
    <Interface ChannelIdentifierId="BookIt.com XML4" Version="2011A"
      Interface="SourceSys XML"
xmlns="http://www.bookit.com/api/Documentation/XML/OTA/4/2011A/>
      <ComponentInfo Id="36939" User="bookittest" Pwd="bookittest"
ComponentType="Hotel" />
    </Interface>
  </soap-env:Header>
  <soap-env:Body RequestId="20110809162446WAzE8nRi0H"
Transaction="HotelRateAmountNotifRQ">
    <HotelRateAmountNotifRQ>
      …
    </HotelRateAmountNotifRQ>
  </soap-env:Body>
</soap-env:Envelope>
```

The key elements of the message structure are outlined in the following table.

Element/@Attribute	Description/XPath	Type
Header	/Envelope/Header	

Interface	Detail about the source/target system and authentication information. See the Authentication section of this document for more information	
Body	/Envelope/Body	
@RequestId	Assigned by the source system. This value should match between request and response message pairs.	String
@Transaction	The name of the specific request. This will match the name of a direct child element.	String

The remainder of this document details the components of these messages and the expected values to supply for the XML content.

OTA Authentication

All requests to the BookIt.com® API must contain valid authentication information within the SOAP Header. A sample of this is shown below with more detailed information about the actual values in the following table.

```
<soap-env:Header>
  <Interface ChannelIdentifierId="BookIt.com XML4" Version="2011A"
    Interface="SourceSys XML"
xmlns="http://www.bookit.com/api/Documentation/XML/OTA/4/2011A/>
    <ComponentInfo Id="36939" User="bookittest" Pwd="bookittest" ComponentType="Hotel"
/>
  </Interface>
</soap-env:Header>
```

Element/@Attribute	Description/XPath	Type
Interface	/Interface	
@ChannelIdentifierId	Reference to the BookIt.com® API. This field is not validated	String
@Version	OTA Authentication Version – 2005A	String
@Interface	Source system reference. This field is not validated	String
ComponentInfo	/Interface/ComponentInfo	
@Id	Identifier for the Hotel associated with this message. This is assigned by BookIt.com®	String
@User	User Identifier for the source system assigned by BookIt.com®	String
@Pwd	Password for the source system assigned by BookIt.com®	String

HTNG Wrapped Requests

A sample request is shown below.

```
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
   <soap-env:Header xmlns:wsa=http://schemas.xmlsoap.org/ws/2004/08/addressing

xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd">
      <wsa:MessageID>214A50B2-E62E-4f8b-BD97-62ABE31E15C2</wsa:MessageID>
      <wsa:To>https://api.bookit.com/synch</wsa:To>
      <wsa:Action>https://api.bookit.com/synch</wsa:Action>
      <wsa:ReplyTo>

<wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Addr
ess>
      </wsa:ReplyTo>
      <wsse:Security soap:mustUnderstand="true">
        <wsse:UsernameToken>
          <wsse:Username>client username</wsse:Username>
          <wsse:Password>client password</wsse:Password>
        </wsse:UsernameToken>
      </wsse:Security>
   </soap-env:Header>
   <soap-env:Body RequestId="20110809162446WAzE8nRi0H"
Transaction="HotelRateAmountNotifRQ">
      <HotelRateAmountNotifRQ>
       …
      </HotelRateAmountNotifRQ>
   </soap-env:Body>
</soap-env:Envelope>
```

The use of standards in this message format makes it the obvious preference for partner integration. Key elements and attributes in the request are shown in the table below.

Element/@Attribute	Description/XPath	Type
Header	/Envelope/Header	
MessageID	This is a unique id assigned to each message. /Envelope/Header/MessageID	String
Action	This is the action being performed. It is required but ignored in a synchronous request. /Envelope/Header/Action	String
Security	WS Security elements are used to send in details of the requesting system for request messages. Responses do not contain this element. /Envelope/Header/Security	String

@mustUnderstand	Defines if the security block is mandatory for the request to be processed. This is always true.	Boolean
UsernameToken	/Envelope/Header/Security/UsernameToken	
Username	The username assigned to the requesting system by BookIt® /Envelope/Header/Security/UsernameToken/ Username	String
Password	The password assigned to the requesting system by BookIt® /Envelope/Header/Security/UsernameToken/ Password	String

A sample response is shown below.

```xml
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
   <soap-env:Header xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing"

xmlns:wsse="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-
1.0.xsd">
      <wsa:MessageID>FF4A50B2-E62E-4f8b-BD97-62ABE31E15C2</wsa:MessageID>
      <wsa:RelatesTo>214A50B2-E62E-4f8b-BD97-62ABE31E15C2</wsa:RelatesTo>
      <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
      <wsa:Action>https://api.bookit.com/synch</wsa:Action>
      <wsa:ReplyTo>

<wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Addr
ess>
      </wsa:ReplyTo>
   </soap-env:Header>
   <soap-env:Body>
      <HotelRateAmountNotifRS>
         …
      </HotelRateAmountNotifRS>
   </soap-env:Body>
</soap-env:Envelope>
```

The use of standards in this message format makes it the obvious preference for partner integration. Key elements and attributes in the request are shown in the table below.

Element/@Attribute	Description/XPath	Type
Header	/Envelope/Header	
MessageID	This is a unique id assigned to each message. /Envelope/Header/MessageID	String
RelatesTo	This is a unique id of the message this is in response to. /Envelope/Header/MessageID	String

Action	This is the action being performed. It is required but ignored in a synchronous request. /Envelope/Header/Action	String

Response Message Format

Every supported request in the API has an associated response message that has the same name as the request but ending in RS rather than RQ. For example, an OTA_HotelRateAmountNotifRQ message will generate a response message OTA_HotelRateAmountNotifRS.

The structure of all of these response messages is identical and will be in the following formats depending on the succes or failure of the request.

Successful Response

```
<OTA_HotelRateAmountNotifRS TimeStamp="2011-08-09T16:24:45+00:00"
  Target="PROD" Version="1.000" PrimaryLangID="en-us"
  xmlns=http://www.opentravel.org/OTA/2003/05
  EchoToken="123">
  <Success/>
  <!—Any response data will be present here where the request is a get rather than
update-->
</OTA_HotelRateAmountNotifRS >
```

Error Response

Should an error occur the following content would be generated indicating the reason for the error.

Element/@Attribute	Description/XPath	Type
Errors		
Error	Details of a specific error	
@Type	Refer to OpenTravel Code List Error Warning Type (EWT).	Integer
@ShortText	Information about the error	String

A sample error response is shown below.

```
<OTA_HotelRateAmountNotifRS TimeStamp="2011-08-09T16:24:45+00:00"
  Target="PROD" Version="1.000" PrimaryLangID="en-us"
  xmlns="http://www.opentravel.org/OTA/2003/05"
  EchoToken="123">
  <Errors>
    <Error Type="13" ShortText="Unable to process request. Bad Room Type"
RecordId="2"></Error>
  </Errors>
</OTA_HotelRateAmountNotifRS>
```

Message Details

The following transactions are supported by the BookIt.com® API. Details of each OTA message set is given along with an explanation of use, detailed breakdown of the elements and attributes in those transactions as well as sample messages. Additional samples as well as well documented XSD's are available for download from the Open Travel Alliance website.

OTA_HotelRatePlanNotifRQ/RS

This message is used to push updated rate information to BookIt.com®. The structure for this message is shown below.

Element/@Attribute	Description/XPath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelRatePlanNotifRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelRatePlanNotifRQ/POS/Source/RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
RatePlans	Repeating element for actual rate updates /OTA_HotelRatePlanNotifRQ/RatePlans	
@HotelCode	Code for the Hotel associated with this message.	String
RatePlan	High level rate profile information /OTA_HotelRatePlanNotifRQ/RatePlans/RatePlan	
@RatePlanCode	Unique code assigned to this rate by BookIt.com®	String
@RatePlanNotifType	How should this rate plan be applied to any existing data. Options are: New : This is a new plan Delta : Merge this with existing rate plans Full Overlay : Replace existing	String
Rates	Repeating element for each discrete rate /OTA_HotelRatePlanNotifRQ/RatePlans/RatePlan/Rates	
Rate	Actual rate information by inventory type /OTA_HotelRatePlanNotifRQ/RatePlans/RatePlan/Rates/Rate	
@Start	Start date for this rate	Date
@End	End date for this rate	Date

@Mon	Does the rate specified apply on Mondays	Boolean
@Tue	Does the rate specified apply on Mondays	Boolean
@Weds	Does the rate specified apply on Wednesdays	Boolean
@Thurs	Does the rate specified apply on Thursdays	Boolean
@Fri	Does the rate specified apply on Fridays	Boolean
@Sat	Does the rate specified apply on Saturdays	Boolean
@Sun	Does the rate specified apply on Sundays	Boolean
@InvTypeCode	Inventory Code for the associated room type within BookIt.com® – alternate to InvCode (see next)	String
@InvCodeApplication	Always InvCode if @InvCode is present	String
@InvCode	Inventory Code for the associated room type within BookIt.com®	String
BaseByGuestAmts	/OTA_HotelRatePlanNotifRQ/RatePlans/RatePlan/BaseByGuestAmts	
BaseByGuestAmt	Amount to charge based on occupancy /OTA_HotelRatePlanNotifRQ/RatePlans/RatePlan/BaseByGuestAmts/BaseByGuestAmt	
@DecimalPlaces	Number of decimal places to apply to rate. Optional. If omitted, rate amounts are exact values	Integer
@AmountBeforeTax	Whole number representing the amount to charge	Number
@AmountAfterTax	Whole number representing the amount to charge including tax	Number
@CurrencyCode	Currently must be USD	String
@NumberOfGuests	Room occupancy	Integer

Sample Message

The following message will update rate amounts for weekday and weekend rates for a 3-month range.

```
<OTA_HotelRatePlanNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
   TimeStamp="2011-08-09T16:24:45+00:00" Target="PROD" Version="1.000"
   PrimaryLangID="en-us">
   <POS>
     <Source>
       <RequestorID Type="PROD" ID="Xyz Travel"/>
       <BookingChannel Type="2" Primary="true">
         <CompanyName>Xyz Travel</CompanyName>
       </BookingChannel>
     </Source>
   </POS>
   <RatePlans HotelCode="10001">
     <RatePlan RatePlanCode="Rack" RatePlanNotifType="Delta" Start="2013-01-01"
End="2013-03-31">
       <UniqueID Type="16" ID="1"/>
       <DestinationSystemsCode>
         <DestinationSystemCode>330</DestinationSystemCode>
       </DestinationSystemsCode>
       <Rates>
         <Rate CurrencyCode="USD" Mon="true" Tue="true" Weds="true" Thur="true"
Fri="true" Sat="false" Sun="false" InvTypeCode="King"/>
         <BaseByGuestAmts>
           <BaseByGuestAmt NumberOfGuests="1" AgeQualifyingCode="10"
AmountBeforeTax="100.00" AmountAfterTax="120.00"> </BaseByGuestAmt>
           <BaseByGuestAmt NumberOfGuests="2" AgeQualifyingCode="10"
AmountBeforeTax="110.00" AmountAfterTax="130.00"/>
         </BaseByGuestAmts>
       </Rates>
     </RatePlan>
   </RatePlans>
   <RatePlan RatePlanCode="Rack" RatePlanNotifType="Delta" Start="2013-01-01"
End="2013-03-31">
     <UniqueID Type="16" ID="2"/>
     <DestinationSystemsCode>
       <DestinationSystemCode>330</DestinationSystemCode>
     </DestinationSystemsCode>
     <Rates>
       <Rate CurrencyCode="USD" Mon="false" Tue="false" Weds="false" Thur="false"
Fri="false" Sat="true" Sun="true" InvTypeCode="King"/>
       <BaseByGuestAmts>
         <BaseByGuestAmt NumberOfGuests="1" AgeQualifyingCode="10"
AmountBeforeTax="200.00" AmountAfterTax="220.00"/>
         <BaseByGuestAmt NumberOfGuests="2" AgeQualifyingCode="10"
AmountBeforeTax="210.00" AmountAfterTax="230.00"/>
       </BaseByGuestAmts>
     </Rates>
   </RatePlan>
</OTA_HotelRatePlanNotifRQ>
```

OTA_HotelRateAmountNotifRQ/RS

This message is used to push updated rate information to BookIt.com®. The structure for this message is shown below.

Element/@Attribute	Description/XPath	Type
@TimeStamp	When was this message generated	DateTime

@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelRateAmountRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelRateAmountNotifRQ/POS/Source/RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
RateAmountMessages	Repeating element for actual rate updates /OTA_HotelRateAmountNotifRQ/RateAmountMessages	
@HotelCode	Code for the Hotel associated with this message.	String
RateAmountMessage	Actual rate updates /OTA_HotelRateAmountNotifRQ/RateAmountMessages/RateAmountMessage	
@LocatorID	Incremental for each specific update (see sample message)	Integer
StatusApplicationControl	/OTA_HotelRateAmountNotifRQ/RateAmountMessages/StatusApplicationControl	
@Override	Always 1	Integer
@Start	Starting date for this update	DateTime
@End	Ending date for this update (inclusive)	DateTime
@RatePlanCodeType	Always RatePlanCode	String
@RatePlanCode	Code for the specified rate plan within the BookIt.com® rate service	String
@InvCodeApplication	Always InvCode	String
@InvCode	Code for the associated room type within BookIt.com®	String
@IsRoom	Always 1	Integer
Rates	/OTA_HotelRateAmountNotifRQ/RateAmountMessages/Rates	
Rate	/OTA_HotelRateAmountNotifRQ/RateAmountMessages/Rates/Rate	
@NumberOfUnits	Always 1	Integer
@RateTimeUnit	Always Day	String
@UnitMultiplier	Always 1	Integer

@DecimalPlaces	Number of deimal places to apply to rate. Optional. If omitted, rate amounts are exact values	Integer
BaseByGuestAmts	/OTA_HotelRateAmountNotifRQ/RateAmountMessages/Rates/Rate/BaseByGuestAmts	
BaseByGuestAmt	Amount to charge based on occupancy /OTA_HotelRateAmountNotifRQ/RateAmountMessages/Rates/Rate/BaseByGuestAmts/BaseByGuestAmt	
@AmountBeforeTax	Whole number representing the amount to charge. $100 would be expressed as 10000	Integer
@CurrencyCode	Currently must be USD	String
@NumberOfGuests	Room occupancy	Integer

Sample Message

The following message will update rate amounts on a daily basis for 3 combinations of rate code and room type within a single request.

OTA_HotelAvailNotifRQ/RS

This message is used to push updated availability information to BookIt.com®. The structure for this message is shown below.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelAvailNotifRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelAvailNotifRQ/POS/Source/RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
AvailStatusMessages	/OTA_HotelAvailNotifRQ/AvailStatusMessages	
@HotelCode	Code for the Hotel associated with this message.	String
AvailStatusMessage	/OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage	
@BookingLimitMessageType	Optional: If this request is to update physical inventory for this rate then this must be set to SetLimit	String

@BookingLimit	Optional: If this request is to update physical inventory for this rate then this must be set to the number of available rooms	Integer
UniqueId	This element is used to uniquely identify messages within a larger request /OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/UniqueId	
@Type	Always 16 – Reference	Integer
@ID	Incremental for each specific update (see sample message)	Integer
StatusApplicationControl	This element defines specific criteria for this update /OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/StatusApplicationControl	
@Start	Starting date for this update	DateTime
@End	Ending date for this update (inclusive)	DateTime
@RatePlanCodeType	Always RatePlanCode	String
@RatePlanCode	Code for the specified rate plan within the BookIt.com® rate service	String
@InvCodeApplication	Always InvCode	String
@InvCode	Code for the associated room type within BookIt.com®	String
@IsRoom	Always 1	Integer
RestrictionStatus	Optional: Used for Open, Close, Closed to Arrival, Closed to Departure restrictions /OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/RestrictionStatus	
@Restriction	Defines the type of restriction. This must be one of Master – Set general Open/Close state Arrival – Set arrival date restriction Departure – Set departure restriction	String
@Status	Defines the value of the restriction. Must be one of Open – The specified inventory is available for sale Close – The specified inventory is not available	String
LengthOfStays	/OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/LengthOfStays	
LengthOfStay	This element defines a specific stay length restriction /OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/LengthOfStays/LengthOfStay	

@MinMaxMessageType	Must be one of SetMinLos – Set the minimum length of stay SetMaxLos – Set the maximum length of stay	String
@TimeUnit	This will always be Day	String
@Time	Number of Days to apply to this length of stay restriction	Integer
BookingRestrictions	/OTA_HotelAvailNotifRQ/AvailStatusMessages/AvailStatusMessage/BookingRestrictions	
BookingRestriction	Defines specific booking restriction	
@MinMaxMessageType	Must be one of SetMinArrival – Set minimum days out SetMaxArrival – Set maximum days out	String
@TimeUnit	This will always be Day	String
@Time	Number of Days to apply this booking restriction	String

Sample Messages

The following examples illustrate the variety of different sales restrictions can be sent within the same message.

```
<OTA_HotelRateAmountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" Target="PROD" Version="1.000"
PrimaryLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <RateAmountMessages HotelCode="10001">
    <RateAmountMessage LocatorID="1">
      <StatusApplicationControl Override="1" Start="2011-08-25" End="2011-08-26"
RatePlanCodeType="RatePlanCode" RatePlanCode="BESTSALE" InvCodeApplication="InvCode"
InvCode="GO" IsRoom="1"/>
      <Rates>
        <Rate NumberOfUnits="1" RateTimeUnit="Day" UnitMultiplier="1"
DecimalPlaces="2">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="4938" CurrencyCode="USD"
NumberOfGuests="1"/>
            <BaseByGuestAmt AmountBeforeTax="4938" CurrencyCode="USD"
NumberOfGuests="2"/>
            <BaseByGuestAmt AmountBeforeTax="6682" CurrencyCode="USD"
NumberOfGuests="3"/>
            <BaseByGuestAmt AmountBeforeTax="8424" CurrencyCode="USD"
NumberOfGuests="4"/>
          </BaseByGuestAmts>
        </Rate>
      </Rates>
    </RateAmountMessage>
```

```xml
    <RateAmountMessage LocatorID="2">
      <StatusApplicationControl Override="1" Start="2011-08-25" End="2011-08-26"
RatePlanCodeType="RatePlanCode" RatePlanCode="BESTSALE" InvCodeApplication="InvCode"
InvCode="DELUXE" IsRoom="1"/>
      <Rates>
        <Rate NumberOfUnits="1" RateTimeUnit="Day" UnitMultiplier="1"
DecimalPlaces="2">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="3776" CurrencyCode="USD"
NumberOfGuests="1"/>
            <BaseByGuestAmt AmountBeforeTax="3776" CurrencyCode="USD"
NumberOfGuests="2"/>
            <BaseByGuestAmt AmountBeforeTax="5520" CurrencyCode="USD"
NumberOfGuests="3"/>
            <BaseByGuestAmt AmountBeforeTax="7262" CurrencyCode="USD"
NumberOfGuests="4"/>
          </BaseByGuestAmts>
        </Rate>
      </Rates>
    </RateAmountMessage>
    <RateAmountMessage LocatorID="3">
      <StatusApplicationControl Override="1" Start="2011-08-25" End="2011-08-26"
RatePlanCodeType="RatePlanCode" RatePlanCode="SUMMERD" InvCodeApplication="InvCode"
InvCode="GO" IsRoom="1"/>
      <Rates>
        <Rate NumberOfUnits="1" RateTimeUnit="Day" UnitMultiplier="1"
DecimalPlaces="2">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="7055" CurrencyCode="USD"
NumberOfGuests="1"/>
            <BaseByGuestAmt AmountBeforeTax="7055" CurrencyCode="USD"
NumberOfGuests="2"/>
            <BaseByGuestAmt AmountBeforeTax="9545" CurrencyCode="USD"
NumberOfGuests="3"/>
            <BaseByGuestAmt AmountBeforeTax="12035" CurrencyCode="USD"
NumberOfGuests="4"/>
          </BaseByGuestAmts>
        </Rate>
      </Rates>
```

```
        </RateAmountMessage>
    </RateAmountMessages>
</OTA_HotelRateAmountNotifRQ>
```

Physical Availability Update

The following sample shows an update to physical availability for a specific room type and rate code, setting 10 rooms available.

```
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" Target="PROD" Version="1.000"
PrimaryLangID="en-us">
   <POS>
      <Source>
         <RequestorID Type="PROD" ID="Xyz Travel"/>
         <BookingChannel Type="2" Primary="true">
            <CompanyName>Xyz Travel</CompanyName>
         </BookingChannel>
      </Source>
   </POS>
   <AvailStatusMessages HotelCode="10001">
      <AvailStatusMessage BookingLimitMessageType="SetLimit" BookingLimit="10">
         <StatusApplicationControl Override="1" Start="2011-08-11" End="2011-08-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
         <UniqueID Type="16" ID="1"/>
      </AvailStatusMessage>
   </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

Set Open Closed Status

The following sample shows the different options for setting open/closed statuses.

```
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF" Target="PROD"
Version="1.000" PrimaryLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <AvailStatusMessages HotelCode="10001">
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-08-11" End="2011-08-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="1"/>
      <RestrictionStatus Restriction="Master" Status="Close"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="2"/>
      <RestrictionStatus Restriction="Arrival" Status="Close"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="3"/>
      <RestrictionStatus Restriction="Departure" Status="Close"/>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

Length of Stay Restrictions

The following sample shows the different options for setting length of stay restrictions.

```
<OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF" Target="PROD"
Version="1.000" PrimaryLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <AvailStatusMessages HotelCode="10001">
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-08-11" End="2011-08-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="1"/>
      <LengthsOfStay>
        <LengthofStay MinMaxMesssageType="SetMinLos" TimeUnit="Day" Time="2"/>
        <LengthofStay MinMaxMesssageType="SetMaxLos" TimeUnit="Day" Time="5"/>
      </LengthsOfStay>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="2"/>
      <RestrictionStatus Restriction="Arrival" Status="Close"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
      <UniqueID Type="16" ID="3"/>
      <RestrictionStatus Restriction="Departure" Status="Close"/>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailNotifRQ>
```

OTA_HotelDescriptiveInfoRQ

This message is used to request and return information about a hotel maintained within the BookIt® Rate Engine.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelDescriptiveInfoRQ/POS	
Source		

Element/@Attribute	Description/Xpath	Type
RequestorID	Identifying information for the source system /OTA_HotelDescriptiveInfoRQ/POS/Source/ RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
HotelDescriptiveInfos	/OTA_HotelDescriptiveInfoRQ/HotelDescripti veInfos	
HotelDescriptiveInfo	/OTA_HotelDescriptiveInfoRQ/HotelDescripti veInfos/HotelDescriptiveInfo	
@HotelCode	Code for the Hotel associated with this message.	String
HotelInfo	/OTA_HotelDescriptiveInfoRQ/HotelDescripti veInfos/HotelDescriptiveInfo/HotelInfo	String
@SendData	Always set to true	String
FacilityInfo	/OTA_HotelDescriptiveInfoRQ/HotelDescripti veInfos/HotelDescriptiveInfo/FacilityInfo	
@SendData	Always set to true	String

OTA_HotelDescriptiveInfoRS

The response for this request will contain detailed information about a hotel configured within the system including room types that are available.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelDescriptiveInfoRS/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelDescriptiveInfoRS/POS/Source/ RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
Success	/OTA_HotelDescriptiveInfoRS/Success	
HotelDescriptiveContents	/OTA_HotelDescriptiveInfoRS/HotelDescripti veContents	
@HotelCode	Code for the Hotel associated with this message.	String
@HotelName	Long name for the Hotel associated with this message. This is assigned by BookIt.com®	String

@CurrencyCode	ISO Code for the default currency of this hotel	String
@DecimalPlaces	Number of decimal places used	Integer
@LanguageCode	ISO Language code in use. Defaults to en	String
HotelDescriptiveContent	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent	
HotelInfo	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/HotelInfo	
HotelName	The name of this hotel /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/HotelInfo/HotelName	String
Descriptions	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/HotelInfo/Descriptions	
Description	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/HotelInfo/Descriptions/Description	
Text	Textual description of the hotel /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/HotelInfo/Descriptions/Description/Text	String
ContactInfos	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos	
ContactInfo	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo	
Addresses	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses	
Address	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/Address	
AddressLine	Street address for the hotel /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/AddressLine	String
CityName	City where the hotel is located /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/CityName	String
PostalCode	Postal/Zip Code where the hotel is located /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/PostalCode	String

StateCode	State Code where the hotel is located /OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/StateCode	String
CountryName	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/CountryName	
@Code	ISO Code for the country where the hotel is located	String
Phones	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Phones	
Phone	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/ContactInfos/ContactInfo/Addresses/Phones/Phone	
@PhoneNumber	Main phone number for the hotel for this type of line	String
@PhoneTechType	Type of line this number represents. 1: Phone, 3: Fax	String
FacilityInfo	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/FacilityInfo	
GuestRooms	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/FacilityInfo/GuestRooms	
GuestRoom	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/FacilityInfo/GuestRooms/GuestRoom	
@RoomTypeName	Long name for this type of room	String
@MaxOccupancy	Maximum number of guests who can occupy this room	Integer
@MaxAdultOccupancy	Maximum number of adults who can occupy this room	Integer
@MaxChildOccupancy	Maximum number of children who can occupy this room	Integer
TypeRoom	/OTA_HotelDescriptiveInfoRS/HotelDescriptiveContents/HotelDescriptiveContent/FacilityInfo/GuestRooms/GuestRoom/TypeRoom	
@RoomTypeCode	Code used to identify this room. This code will be used in all messages used to define rates and availability.	String

Sample Messages

The request below shows an attempt to get information about a specific hotel.

Requesting Information About A Hotel

```xml
<OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05"
xmlns:xsi="http://www.w3.org/2001/XMLXSchema-instance" EchoToken=""
TimeStamp="2005-10-01T09:41:51.982" Version="1.001" MessageContentCode="8">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelDescriptiveInfos>
    <HotelDescriptiveInfo HotelCode="123456">
      <HotelInfo SendData="true"/>
      <FacilityInfo SendGuestRooms="true"/>
    </HotelDescriptiveInfo>
  </HotelDescriptiveInfos>
</OTA_HotelDescriptiveInfoRQ>
```

```
<OTA_HotelDescriptiveInfoRS xmlns="http://www.opentravel.org/OTA/2003/05/"
TimeStamp="2012-08-15T06:29:20-04:00" Target="PROD" Version="1.003"
PrimayLangID="en-us">
  <Success/>
  <HotelDescriptiveContents HotelCode="123456" HotelName="The BookIt Resort"
CurrencyCode="USD" DecimalPlaces="2" LanguageCode="en" UnitOfMeasure="miles">
    <HotelDescriptiveContent>
      <HotelInfo>
        <HotelName>Harrah`s Las Vegas Hotel and Casino</HotelName>
        <Descriptions>
          <Description>
            <Text>Stay in the heart of fabulous Panama City Beach</Text>
          </Description>
          <Description>
            <Text>More hotel information can be placed in this repeating block</Text>
          </Description>
        </Descriptions>
      </HotelInfo>
      <ContactInfos>
        <ContactInfo>
          <Addresses>
            <Address>
              <AddressLine>14251 Panama City Beach Parkway</AddressLine>
              <CityName>Panama City Beach</CityName>
              <PostalCode>32413</PostalCode>
              <StateProv StateCode="FL"/>
              <CountryName Code="US"/>
            </Address>
          </Addresses>
          <Phones>
            <Phone PhoneNumber="850-234-8887" PhoneTechType="1"/>
            <Phone PhoneNumber="850-236-2054" PhoneTechType="3"/>
          </Phones>
        </ContactInfo>
      </ContactInfos>
      <FacilityInfo>
        <GuestRooms>
          <GuestRoom RoomTypeName="Classic Room" MaxOccupancy="4"
MaxAdultOccupancy="4" MaxChildOccupancy="3">
            <TypeRoom RoomTypeCode="CLASSIC"/>
          </GuestRoom>
          <GuestRoom RoomTypeName="Deluxe Room" MaxOccupancy="4" MaxAdultOccupancy="4"
MaxChildOccupancy="3">
            <TypeRoom RoomTypeCode="DELUXE"/>
          </GuestRoom>
        </GuestRooms>
      </FacilityInfo>
    </HotelDescriptiveContent>
  </HotelDescriptiveContents>
</OTA_HotelDescriptiveInfoRS>
```

OTA_HotelRatePlanRQ

This message is used to request and return information about high-level rate profiles maintained within the BookIt® Rate Engine.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelRatePlanRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelRatePlanRQ/POS/Source/Reque storID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
RatePlans	/OTA_HotelRatePlanRQ/RatePlans	
RatePlan	/OTA_HotelRatePlanRQ/RatePlans/RatePlan	
DateRange	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/DateRange	
Start	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/DateRange/Start	Date
End	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/DateRange/End	Date
HotelRef	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/HotelRef	
@HotelCode	Code for the Hotel associated with this message.	String
RatePlanCandidates	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/RatePlanCandidates	
RatePlanCandidate	/OTA_HotelRatePlanRQ/RatePlans/RatePla n/RatePlanCandidates/RatePlanCandidate	
@RatePlanCode	One or more specific rate codes can be explicitly requested. All rates are returned if omitted	String

OTA_HotelRatePlanRS

The response for this request will contain summary information about rate profiles configured within the requested location.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String

POS	Information about the source system /OTA_HotelRatePlanRS/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelRatePlanRS/POS/Source/Reque storID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
Success	/OTA_HotelRatePlanRS/Success	
RatePlans	/OTA_HotelRatePlanRS/RatePlans	
@HotelCode	Code for the Hotel associated with this message.	String
RatePlan	/OTA_HotelRatePlanRS/RatePlans/RatePlan	
Rates	/OTA_HotelRatePlanRS/RatePlans/RatePlan /Rates	
@RatePlanCode	The rate code defined for this profile	String
Rate	/OTA_HotelRatePlanRS/RatePlans/RatePlan /Rates/Rate	
@Start	The earliest date for which this rate profile is valid	Date
@End	The latest date for which this rate profile is valid	Date
@InvTypeCode	The room type for which this rate profile is valid	String
@Sun	Is this rate valid on Sunday	1 or 0
@Mon	Is the rate valid on Monday	1 or 0
@Tue	Is the rate valid on Tuesday	1 or 0
@Weds	Is the rate valid on Wednesday	1 or 0
@Thur	Is the rate valid on Thursday	1 or 0
@Fri	Is the rate valid on Friday	1 or 0
@Sat	Is the rate valid on Saturday	1 or 0
BaseByGuestAmts	/OTA_HotelRatePlanRS/RatePlans/RatePlan /Rates/Rate/BaseByGuestAmts	
BaseByGuestAmt	/OTA_HotelRatePlanRS/RatePlans/RatePlan /Rates/Rate/BaseByGuestAmts/BaseByGue stAmt	
@AmountBeforeTax	Price for this rate and room type	Decimal
@CurrencyCode	Currency for the specified rate	String
@NumberOfGuests	Occupancy for which this rate is valid	Integer

Sample Messages

The request below shows an attempt to get availability information about rates with a code of RACK at a specific location. The RatePlanCandidate element can repeat if multiple specific codes are required or omitted completely to obtain information on all configured rates.
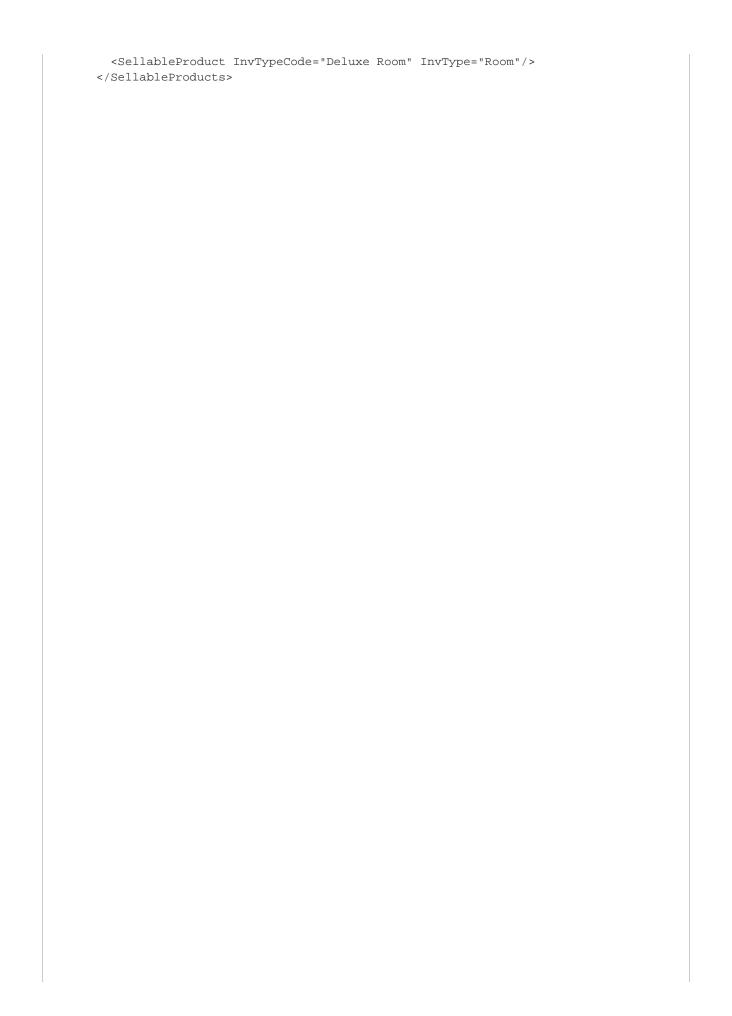
Requesting Specific Rate Codes

```
<OTA_HotelRatePlanRQ xmlns="http://www.opentravel.org/OTA/2003/05"
xmlns:xsi="http://www.w3.org/2001/XMLXSchema-instance" EchoToken=""
TimeStamp="2005-10-01T09:41:51.982" Version="1.001" MessageContentCode="8">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <RatePlans>
    <RatePlan>
      <DateRange Start="2012-09-04" End="2012-12-04"/>
      <HotelRef HotelCode="BT5236"/>
      <RatePlanCandidates>
        <RatePlanCandidate RatePlanCode="RACK"/>
      </RatePlanCandidates>
    </RatePlan>
  </RatePlans>
</OTA_HotelRatePlanRQ>
```

The response to the above request is shown below for reference. Note that some common scenarios are included in this sample. Specifically:

- The SellableProducts element contains a list of all room types that are represented by the response. This can help significantly when processing the response.

```
<OTA_HotelRatePlanRS xmlns="http://www.opentravel.org/OTA/2003/05/"
TimeStamp="2012-05-18T11:26:24-04:00" Target="PROD" Version="1.003"
PrimayLangID="en-us">
  <Success/>
  <RatePlans HotelCode="BT5236">
    <RatePlan>
      <Rates RatePlanCode="RACK">
        <Rate Start="2012-01-10T12:00:00-05:00" End="2012-02-18T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="200.0000" CurrencyCode="USD"
NumberOfGuests="1"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-01-10T12:00:00-05:00" End="2012-02-18T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="210.0000" CurrencyCode="USD"
NumberOfGuests="2"/>
          </BaseByGuestAmts>
```

```xml
        </Rate>
        <Rate Start="2012-03-01T12:00:00-05:00" End="2012-03-15T23:59:59-04:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="400.0000" CurrencyCode="USD"
NumberOfGuests="1"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-03-01T12:00:00-05:00" End="2012-03-15T23:59:59-04:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="410.0000" CurrencyCode="USD"
NumberOfGuests="2"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-01-01T12:00:00-05:00" End="2012-01-09T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="100.0000" CurrencyCode="USD"
NumberOfGuests="1"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-02-19T12:00:00-05:00" End="2012-02-28T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="100.0000" CurrencyCode="USD"
NumberOfGuests="1"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-01-01T12:00:00-05:00" End="2012-01-09T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="110.0000" CurrencyCode="USD"
NumberOfGuests="2"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-02-19T12:00:00-05:00" End="2012-02-28T23:59:59-05:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="110.0000" CurrencyCode="USD"
NumberOfGuests="2"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-03-16T12:00:00-04:00" End="2012-03-31T23:59:59-04:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="200.0000" CurrencyCode="USD"
NumberOfGuests="1"/>
          </BaseByGuestAmts>
        </Rate>
        <Rate Start="2012-03-16T12:00:00-04:00" End="2012-03-31T23:59:59-04:00"
InvTypeCode="Deluxe Room" Sun="1" Mon="1" Tue="1" Weds="1" Thur="1" Fri="1" Sat="1">
          <BaseByGuestAmts>
            <BaseByGuestAmt AmountBeforeTax="210.0000" CurrencyCode="USD"
NumberOfGuests="2"/>
          </BaseByGuestAmts>
        </Rate>
      </Rates>
      <SellableProducts>
```

```
    <SellableProduct InvTypeCode="Deluxe Room" InvType="Room"/>
</SellableProducts>
```

```
        </RatePlan>
    </RatePlans>
</OTA_HotelRatePlanRS>
```

OTA_HotelAvailGetRQ

This request is used to obtain detailed information about availability controls in place for the requested location and optionally specific rate codes.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelAvailGetRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelAvailGetRQ/POS/Source/RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
HotelAvailRequests	/OTA_HotelAvailGetRQ/HotelAvailRequests	
HotelAvailRequest	/OTA_HotelAvailGetRQ/HotelAvailRequests/ HotelAvailRequest	
DateRange	/OTA_HotelAvailGetRQ/HotelAvailRequests/ HotelAvailRequest/DateRange	
HotelRef	/OTA_HotelAvailGetRQ/HotelAvailRequests/ HotelAvailRequest/HotelRef	String
@HotelCode	Code for the Hotel associated with this message.	String
RatePlanCandidates	/OTA_HotelAvailGetRQ/HotelAvailRequests/ HotelAvailRequest/RatePlanCandidates	
RatePlanCandidate	/OTA_HotelAvailGetRQ/HotelAvailRequests/ HotelAvailRequest/RatePlanCandidates/Rat ePlanCandidate	
@RatePlanCode	One or more specific rate codes can be explicitly requested. All rates are returned if omitted	String

OTA_HotelAvailGetRS

The response for this request will contain detailed information about availability controls in place for the requested location and optionally specific rate codes.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
Success	/OTA_HotelAvailGetRS/Success	
AvailStatusMessages	/OTA_HotelAvailGetRS/AvailStatusMessages	
@HotelCode	Identifier for the requested hotel	
AvailStatusMessage	/OTA_HotelAvailGetRS/AvailStatusMessages/AvailStatusMessage	
@BookingLimit	Number of rooms available at this rate for this type of room	Integer
@BookingLimitMessageType	Always "SetLimit" in this case	String
StatusApplicationControl	/OTA_HotelAvailGetRS/AvailStatusMessages/AvailStatusMessage	String
@Start	Earliest date for which this status is valid	Date
@End	Latest date for which this status is valid	Date
@InvTypeCode	Room Type for which this status is valid	String
@RatePlanCode	Rate code for which this status is valid	String
LengthsOfStay	/OTA_HotelAvailGetRS/AvailStatusMessages/AvailStatusMessage/LengthsOfStay	
LengthOfStay	/OTA_HotelAvailGetRS/AvailStatusMessages/AvailStatusMessage/LengthsOfStay/LengthOfStay	
@MinMaxMessageType	Choice of: SetMinLOS – If this element relates to a Minimum Length of Stay Control SetMaxLOS – If this element relates to a Maximum Length of Stay Control	String
@TimeUnit	Always "Day" in this instance	String
@Time	Duration to use for this rule	Integer
RestrictionStatus	/OTA_HotelAvailGetRS/AvailStatusMessages/AvailStatusMessage/RestrictionStatus	
@Restriction	Choice of: Master – Applies to inventory at a general level Arrival – Applies to arrival date only Departure – Applies to departure date only	String
@Status	Choice of: Open – Inventory is generally available Closed – Inventory is closed	String

Sample Messages

The following examples illustrate the capabilities of this message set.

Requesting Specific Rate Codes

The request below shows an attempt to get availability information about rates with a code of CORP at a specific location. The RatePlanCandidate element can repeat if multiple specific codes are required or omitted completely to obtain information on all configured rates.

```xml
<OTA_HotelAvailGetRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF" Target="PROD"
Version="1.000" PrimaryLangID="en-us">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelAvailRequests>
    <HotelAvailRequest>
      <DateRange Start="2012-06-24" End="2012-06-26"/>
      <RatePlanCandidates>
        <RatePlanCandidate RatePlanCode="CORP"/>
      </RatePlanCandidates>
      <HotelRef HotelCode="BT5236"/>
    </HotelAvailRequest>
  </HotelAvailRequests>
</OTA_HotelAvailGetRQ>
```

The response to the above request is shown below for reference. Note that some common scenarios are included in this sample. Specifically:

- The response for June 24th has a specific length of stay restriction in place
- The response for June 24th has a limit on the number of available rooms
- The response for June 25th shows a Closed to Arrival condition
- The response for June 26th shows a Closed to All condition

```
<OTA_HotelAvailGetRS xmlns="http://www.opentravel.org/OTA/2003/05/"
TimeStamp="2012-05-22T13:38:54-04:00" Target="PROD" Version="1.003"
PrimayLangID="en-us">
  <Success/>
  <AvailStatusMessages HotelCode="BT5236">
    <AvailStatusMessage BookingLimit="15" BookingLimitMessageType="SetLimit">
      <StatusApplicationControl Start="2012-06-24T12:00:00-04:00"
End="2012-06-24T23:59:59-04:00" RatePlanCode="CORP" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <LengthsOfStay>
        <LengthOfStay MinMaxMessageType="SetMinLOS" TimeUnit="Day" Time="2"/>
        <LengthOfStay MinMaxMessageType="SetMaxLOS" TimeUnit="Day" Time="3"/>
      </LengthsOfStay>
      <RestrictionStatus Restriction="Master" Status="Open"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2012-06-25T12:00:00-04:00"
End="2012-06-25T23:59:59-04:00" RatePlanCode="CORP" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <LengthsOfStay>
        <LengthOfStay MinMaxMessageType="SetMinLOS" TimeUnit="Day" Time="1"/>
        <LengthOfStay MinMaxMessageType="SetMaxLOS" TimeUnit="Day" Time="372"/>
      </LengthsOfStay>
      <RestrictionStatus Restriction="Arrival" Status="Closed"/>
    </AvailStatusMessage>
    <AvailStatusMessage>
      <StatusApplicationControl Start="2012-06-26T12:00:00-04:00"
End="2012-06-26T23:59:59-04:00" RatePlanCode="CORP" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <LengthsOfStay>
        <LengthOfStay MinMaxMessageType="SetMinLOS" TimeUnit="Day" Time="1"/>
        <LengthOfStay MinMaxMessageType="SetMaxLOS" TimeUnit="Day" Time="372"/>
      </LengthsOfStay>
      <RestrictionStatus Restriction="Master" Status="Closed"/>
    </AvailStatusMessage>
  </AvailStatusMessages>
</OTA_HotelAvailGetRS>
```

OTA_HotelAvailRQ

This request is used to obtain a map of RoomTypes and RatePlans.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
AvailRequestSegments		
AvailRequestSegment		
@AvailReqType	Always "Room"	String
HotelSearchCriteria		
Criterion		

HotelRef	Identifies the hotel requested.	
@HotelCode	The hotel code for the requested hotel.	String

OTA_HotelAvailRS

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
Success	Denotes success.	
RoomStays/RoomStay		
RoomTypes/RoomType		
@RoomTypeCode	Room identifier.	String
RoomDescription		
@Name	Name of room.	String
RatePlans/RatePlan		
@RatePlanCode	Rate plan identifier.	String
RatePlanDescription		
@Name	Name or description of rate code.	String

Sample Messages

```
<OTA_HotelAvailRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2005-08-01T09:30:47+02:00">
  <AvailRequestSegments>
    <AvailRequestSegment AvailReqType="Room">
      <HotelSearchCriteria>
        <Criterion>
          <HotelRef HotelCode="123456"/>
        </Criterion>
      </HotelSearchCriteria>
    </AvailRequestSegment>
  </AvailRequestSegments>
</OTA_HotelAvailRQ>
```

```
<OTA_HotelAvailRS xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2005-08-01T09:30:47+02:00">
   <Success/>
   <RoomStays>
     <RoomStay>
       <RoomTypes>
         <RoomType RoomTypeCode="DBL">
           <RoomDescription Name="Double Room"/>
         </RoomType>
       </RoomTypes>
       <RatePlans>
         <RatePlan RatePlanCode="RACK">
           <RatePlanDescription Name="Rack Rate"/>
         </RatePlan>
       </RatePlans>
     </RoomStay>
   </RoomStays>
</OTA_HotelAvailRS>
```

OTA_HotelInvCountRQ

This request is used to obtain detailed information about inventory levels for the requested location and optionally specific rate codes.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
POS	Information about the source system /OTA_HotelInvCountRQ/POS	
Source		
RequestorID	Identifying information for the source system /OTA_HotelInvCountRQ/POS/Source/RequestorID	
@Type	PROD or TEST	String
@ID	Source system identifier. This is assigned by BookIt.com® to integration partners	String
HotelInvCountRequests	/OTA_HotelInvCountRQ/HotelInvCountRequests	
HotelInvCountRequest	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest	
DateRange	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest/DateRange	
HotelRef	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest/HotelRef	String

Element/@Attribute	Description/Xpath	Type
@HotelCode	Code for the Hotel associated with this message.	String
TPA_Extensions	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest/TPA_Extensions	
RatePlanCandidates	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest/TPA_Extensions/RatePlanCandidates	
RatePlanCandidate	/OTA_HotelInvCountRQ/HotelInvCountRequests/HotelInvCountRequest/TPA_Extensions/RatePlanCandidates/RatePlanCandidate	
@RatePlanCode	One or more specific rate codes can be explicitly requested. All rates are returned if omitted	String

OTA_HotelInvCountRS

The response for this request will contain detailed information about availability controls in place for the requested location and optionally specific rate codes.

Element/@Attribute	Description/Xpath	Type
@TimeStamp	When was this message generated	DateTime
@Target	Target environment. Use PROD for production and TEST for development	String
@PrimaryLangID	Primary language. Ignored for this request	String
Success	/OTA_HotelInvCountRS/Success	
Invnetories	/OTA_HotelInvCountRS/Inventories	
@HotelCode	Identifier for the requested hotel	
Inventory	/OTA_HotelInvCountRS/Inventories/Inventory	
StatusApplicationControl	/OTA_HotelInvCountRS/Inventories/Inventory/StatusApplicationControl	String
@Start	Earliest date for which this inventory is valid	Date
@End	Latest date for which this inventory is valid	Date
@InvTypeCode	Room Type for which this status is valid	String
@RatePlanCode	Rate code for which this status is valid	String
InvCounts	/OTA_HotelInvCountRS/Inventories/Inventory/InvCounts	
InvCount	/OTA_HotelInvCountRS/Inventories/Inventory/InvCounts/InvCount	
@ActionType	Choice of: Allocation – Total number of rooms at this level Booked – Total number of rooms booked Remaining – Number of rooms left at this level	String

@Count	Quantity of rooms of this type	Integer

Sample Messages

The following examples illustrate the capabilities of this message set.

Requesting Inventory For

The request below shows an attempt to get availability information about rates at a specific location. The RatePlanCandidate element can repeat if multiple specific codes are required or omitted completely to obtain information on all configured rates.

```xml
<OTA_HotelInvCountRQ xmlns="http://www.opentravel.org/OTA/2003/05"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05 OTA_HotelInvCountRQ.xsd"
EchoToken="String" TimeStamp="2009-05-01T06:39:07" Target="Production"
Version="1.000">
  <POS>
    <Source>
      <RequestorID Type="PROD" ID="Xyz Travel"/>
      <BookingChannel Type="2" Primary="true">
        <CompanyName>Xyz Travel</CompanyName>
      </BookingChannel>
    </Source>
  </POS>
  <HotelInvCountRequests>
    <HotelInvCountRequest>
      <DateRange Start="2012-06-01" End="2012-06-30"/>
      <HotelRef HotelCode="BT5236"/>
    </HotelInvCountRequest>
  </HotelInvCountRequests>
</OTA_HotelInvCountRQ>
```

The response to the above request is shown below for reference.

```xml
<OTA_HotelInvCountRS xmlns="http://www.opentravel.org/OTA/2003/05/"
TimeStamp="2012-05-22T13:51:39-04:00" Target="PROD" Version="1.003"
PrimayLangID="en-us">
  <Success/>
  <Inventories HotelCode="BT5236">
    <Inventory>
      <StatusApplicationControl Start="2012-06-15T12:00:00-04:00"
End="2012-06-15T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl Start="2012-06-16T12:00:00-04:00"
End="2012-06-16T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
```

```xml
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl Start="2012-06-17T12:00:00-04:00"
End="2012-06-17T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl Start="2012-06-18T12:00:00-04:00"
End="2012-06-18T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl Start="2012-06-19T12:00:00-04:00"
End="2012-06-19T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
    </Inventory>
    <Inventory>
      <StatusApplicationControl Start="2012-06-20T12:00:00-04:00"
End="2012-06-20T23:59:59-04:00" RatePlanCode="RACK" InvTypeCode="Deluxe Room"
InvType="Room"/>
      <InvCounts>
        <InvCount ActionType="Allocation" Count="20"/>
        <InvCount ActionType="Used" Count="5"/>
        <InvCount ActionType="Remaining" Count="15"/>
      </InvCounts>
```

```
      </Inventory>
    </Inventories>
</OTA_HotelInvCountRS>
```

Appendix A - Complete Samples

Samples presented in this document focus on specific parts of a request or response to illustrate key content. The following samples illustrate the full content that would be sent and received for an availability update resulting in both a success and failure responses.

```
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header>
    <Interface xmlns="http://www.BookIt.com®/api/Documentation/XML/OTA/4/2005A/"
ChannelIdentifierId="BookIt.com&#xAE; XML4" Version="2005A" Interface="SourceSys XML">
      <ComponentInfo Id="36939" User="bookittest" Pwd="bookittest"
ComponentType="Hotel"/>
    </Interface>
  </soap-env:Header>
  <soap-env:Body RequestId="20110809162446WAzE8nRi0H" Transaction="HotelAvailNotifRQ">
    <OTA_HotelAvailNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF" Target="PROD"
Version="1.000" PrimaryLangID="en-us">
      <POS>
        <Source>
          <RequestorID Type="PROD" ID="Xyz Travel"/>
          <BookingChannel Type="2" Primary="true">
            <CompanyName>Xyz Travel</CompanyName>
          </BookingChannel>
        </Source>
      </POS>
      <AvailStatusMessages HotelCode="36939">
        <AvailStatusMessage>
          <StatusApplicationControl Override="1" Start="2011-08-11" End="2011-08-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
          <UniqueID Type="16" ID="1"/>
          <LengthsOfStay>
            <LengthofStay MinMaxMesssageType="SetMinLos" TimeUnit="Day" Time="2"/>
            <LengthofStay MinMaxMesssageType="SetMaxLos" TimeUnit="Day" Time="5"/>
          </LengthsOfStay>
        </AvailStatusMessage>
        <AvailStatusMessage>
          <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
          <UniqueID Type="16" ID="2"/>
          <RestrictionStatus Restriction="Arrival" Status="Close"/>
        </AvailStatusMessage>
        <AvailStatusMessage>
          <StatusApplicationControl Override="1" Start="2011-09-11" End="2011-09-12"
RatePlanCodeType="RatePlanCode" RatePlanCode="BEST" InvCodeApplication="InvCode"
InvCode="CLA2Q" IsRoom="1"/>
          <UniqueID Type="16" ID="3"/>
          <RestrictionStatus Restriction="Departure" Status="Close"/>
        </AvailStatusMessage>
      </AvailStatusMessages>
    </OTA_HotelAvailNotifRQ>
  </soap-env:Body>
</soap-env:Envelope>
```

The following would be a successful response to the above request.

```
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header>
</soap-env:Header>
  <soap-env:Body RequestId="20110809162446WAzE8nRi0H" Transaction="HotelAvailNotifRQ
">
    <OTA_HotelAvailNotifRS TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF">
      <Success/>
    </OTA_HotelAvailNotifRS>
  </soap-env:Body>
</soap-env:Envelope>
```

The following would be a failure response to the above request.

```
<?xml version="1.0"?>
<soap-env:Envelope xmlns:soap-env="http://schemas.xmlsoap.org/soap/envelope/">
  <soap-env:Header>
</soap-env:Header>
  <soap-env:Body RequestId="20110809162446WAzE8nRi0H" Transaction="HotelAvailNotifRQ
">
    <OTA_HotelAvailNotifRS TimeStamp="2011-08-09T16:24:45+00:00" EchoToken="098098AF">
      <Errors>
        <Error Type="14" ShortText="Unable to locate a room type CLA2Q" RecordID="3"/>
      </Errors>
    </OTA_HotelAvailNotifRS>
  </soap-env:Body>
</soap-env:Envelope>
```