



HOTEL TECHNOLOGY NEXT GENERATION

Property Web Services

Single Guest Itinerary
Message Specification
Version 1.0.1

Version 1.0.1 includes a minor update to the 'About HTNG' section.

About HTNG

Hotel Technology Next Generation ("HTNG") is a nonprofit organization with global scope, formed in 2002 to facilitate the development of next-generation, customer-centric technologies to better meet the needs of the global hotel community. HTNG's mission is to provide leadership that will facilitate the creation of one (or more) industry solution set(s) for the lodging industry that:

- Are modeled around the customer and allow for a rich definition and distribution of hotel products, beyond simply sleeping rooms;
- Comprise best-of-breed software components from existing vendors, and enable vendors to collaboratively produce world-class software products encompassing all major areas of technology spending: hotel operations, telecommunications, in-room entertainment, customer information systems, and electronic distribution;
- Properly exploit and leverage a base system architecture that provides integration and interoperability through messaging; and that provides security, redundancy, and high availability;
- Target the needs of hotel companies up to several hundred properties, that are too small to solve the issues themselves;
- Will reduce technology management cost and complexity while improving reliability and scalability; and
- Can be deployed globally, managed remotely, and outsourced to service providers where needed.

In June 2005, HTNG announced the first-ever "Branding and Certification Program" for hotel technology. This program will enable vendors to certify their products against open HTNG specifications, and to use the "HTNG Certified" logo in their advertising and collateral materials.

It will enable hotels to determine which vendors have completed certification of their products against which specific capabilities, and the environments in which performance is certified. HTNG's vision is to achieve a flexible technical environment that will allow multiple vendors' systems to interoperate and that will facilitate vendor alliances and the consolidation of applications, in order to provide hotels with easily managed, continually evolving, cost-effective solutions to meet their complete technology needs on a global basis.

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Following paragraph added, for v1.0.1 on 13 May 2010:

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Table of Contents

Contributors	8
Activity Service	9
Supporting Schemas	9
Soap Header	10
Sample Header Message	10
Activity Port Type	11
Activity Lookup	11
ActivityLookupRequest	12
ActivityLookupResponse	15
Sample Message	18
Create Activity	22
ActivityRequest	23
ActivityResponse	27
Sample Message	28
Update Activity	31
Sample Message	31
Cancel Activity	33
Sample Message	34
Activity Provider Port Type	37
Out of Scope Notification	37
OutOfScopeNotificationRequest	38
OutOfScopeNotificationResponse	40
Sample Message	41
Fetch Activities	43
FetchActivitiesRequest	43
FetchActivitiesResponse	45
Sample Message	47
Activity Sync Port Type	51
Location Notification	51
LocationNotificationRequest	52
LocationNotificationResponse	54
Sample Message	55
Name Port Type	57
Fetch Profile	57

- FetchProfileRequest 58
- FetchProfileResponse..... 59
- Sample Message 60
- New Profile 63
 - NewProfileRequest 64
 - NewProfileResponse 65
 - Sample Message 66
- Update Profile 68
 - UpdateProfileRequest..... 69
 - UpdateProfileResponse 70
 - Sample Message 71
- Profile Lookup..... 73
 - LookupRequest..... 74
 - LookupResponse 76
 - Sample Message 78
- Subscription 82
 - SubscriptionRequest..... 82
 - SubscriptionResponse 84
 - Sample Message 84
- Reservation Provider Port Type.....87**
 - Reservation Lookup..... 87
 - ReservationLookupRequest 88
 - ReservationLookupResponse..... 90
 - Sample Message 93
 - Fetch Reservation 95
 - FetchReservationRequest 96
 - FetchReservationResponse 97
 - Sample Message 100
 - Post Payment 102
 - PostPaymentRequest 103
 - PostPaymentResponse 111
 - Sample Message 112
 - Guest Message 114
 - GuestMessageRequest 115
 - GuestMessageResponse 116
 - Sample Message 117
- Reservation Sync Port Type.....119**

Guest Status Notification	119
GuestStatusNotificationRequest	120
GuestStatusNotificationResponse	121
Sample Message	122
Common Data Elements	125
Activity Schema Elements (Activity.xsd)	125
ActivityList	125
Activity	126
OGTimeSpan	129
Common Schema Elements (Common.xsd)	131
Address	131
Amount	132
Credit Card	132
Descriptive Text	133
GovernmentID	134
GovernmentIDList	135
Membership	136
PersonName	137
Phone	138
PhoneData	139
ResultStatus	140
Text	141
TextList	141
UniqueIDList	142
UniqueID	142
UserDefinedValue	143
UserDefinedValueList	143
Simple Types	143
Name Schema Elements (name.xsd)	145
BlackList	145
Comment	145
CommentList	146
Company	147
Customer	148
NameAddress	149
NameAddressList	150
NameCreditCard	152

NameCreditCardList	153
NameMembership.....	154
NameMembershipList.....	156
NamePhone	157
NamePhoneList	158
NegotiatedRate	159
NegotiatedRateList	160
PersonName	161
Preference	162
PreferenceList.....	163
Profile	165
UserDefinedValue.....	167
UserDefinedValueList	168

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Activity Service

The WSDL for the HTNG Activity Reservation System defines the “ActivityService” web service. This web service consists of 17 functions defined in six port types. The port types are:

- **ActivityPortType**
 - Generic activity functions which are implemented by both the Itinerary Consolidation System and the Activity Reservation System.
- **ActivityProviderBinding**
 - Activity functions only applicable to the Activity Reservation System
- **ActivitySyncBinding**
 - Activity functions only applicable to the Itinerary Consolidation System
- **NameBinding**
 - Support functions for guest profile information, applicable to both the Itinerary Consolidation System and the Activity Reservation System.
- **ReservationProviderBinding**
 - Support functions for reservation information, applicable to the Activity Reservation System.
- **ReservationSyncBinding**
 - Support functions for reservation information, applicable to the Itinerary Consolidation System.

Supporting Schemas

The Activity Web Service imports five schemas which define the data payloads required by the functional messages. These are:

- **Activity.xsd**
 - Defines messages specific to activities.
- **Common.xsd**
 - Defines generic types used by various other elements.
- **Name.xsd**
 - Defines data types specific to a guest profile.
- **PmtPosting.xsd**
 - Defines data required for payment posting.
- **Reservation.xsd**
 - Defines data applicable to a guest reservation.

Common elements used in several messages are included in the Common Schema Elements section of this document.

Soap Header

All messages must include a soap header that conforms to the WSAddressing and WSSecurity specifications. Receiving systems may optionally require that the wsa:To element match a specific destination address, and therefore, this element should be configurable at run time. In addition, all sending systems must identify themselves by specifying a wsa:From element unique for their system. Typically, this is in the form of "URN:<system>". The wsa:ReplyTo address may be the anonymous form described in the August, 2004 specification.

WSSecurity may be optionally implemented. Providers are only required to support basic plain text authentication with a username and password. The user credentials will be limited to a single login per system, agreed between two vendors. There is no requirement to support multiple user logins from a single vendor through this interface.

Sample Header Message

```
<soap:Header>
  <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#PostPayment</wsa:Action>
  <wsa:From>
    <wsa:Address>urn:SPASOFT</wsa:Address>
  </wsa:From>
  <wsa:MessageID>urn:uuid:e63d962e-94b6-434c-89ea-1c5ae2e0f8ba</wsa:MessageID>
  <wsa:ReplyTo>
    <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
  </wsa:ReplyTo>
  <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
  <wsse:Security soap:mustUnderstand="1">
    <wsu:Timestamp wsu:Id="Timestamp-015e2941-114a-466e-87b6-8c431b9f5c44">
      <wsu:Created>2006-10-26T12:49:17Z</wsu:Created>
      <wsu:Expires>2006-10-26T12:54:17Z</wsu:Expires>
    </wsu:Timestamp>
    <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-627f1ab1-338a-451f-9829-84f248e57ad8">
      <wsse:Username>HTNG</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
      <wsse:Nonce>qls5nr9rM7VaUYAwhrHSOA==</wsse:Nonce>
      <wsu:Created>2006-10-26T12:49:17Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soap:Header>
```

Activity Port Type

The Activity Port defines four functions which should be implemented by both the Itinerary Consolidation System and the Activity Reservation System. These are

- ActivityLookup
 - Function to request a list of guest records with or without activities matching one or more search criteria.
- CreateActivity
 - Function to create an activity record.
- UpdateActivity
 - Function to update an activity record.
- CancelActivity
 - Function to cancel a scheduled activity.

Activity Lookup

An activity lookup request message is submitted in order to return a list of activities that match one or more criteria. The items which may be submitted in the request are various aspects of the guest profile record such as a guest's name, guest ID, telephone number, or membership number. The requesting system submits an ActivityLookupRequest message, and the responding system returns an ActivityLookupResponse. This message is applicable to both the Activity Reservation System and the Itinerary Consolidation System.

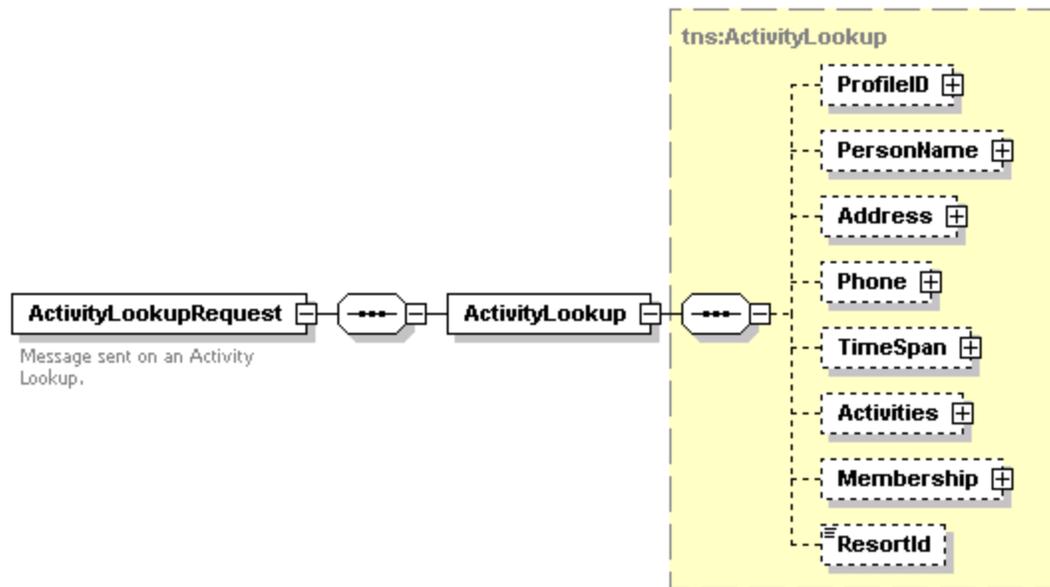
It is required at a minimum that the requesting system send either a guest profile identifier valid in the external system, or a guest's last name. The receiving system may use the remainder of the filter information in order to further limit the search. However, as the request message includes a substantial number of data elements (due to message reuse), the receiving system is not required to process every filter item sent. The responding system should include profiles matching the search criteria regardless whether there are activities attached to the profile or not.

As this operation is most often performed through user interaction, it is important that the lookup respond in a reasonable time frame. If the criteria are too broad, the responding system should limit the result set to a reasonable number of items. This reduces the time needed to collect and respond with the data, and reduces the length of the data returned. As this operation may often return a list of possible selections, the number should also be limited since an operator would not typically want to scroll through more than a few dozen records.

Port	ActivityPortType
Binding	ActivityBinding
Operation	ActivityLookup
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ActivityLookup

Input	ActivityLookupRequest
Output	ActivityLookupResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Itinerary Consolidation System, Activity Reservation System

ActivityLookupRequest



ActivityLookupRequest
<pre><xs:element name="ActivityLookupRequest"> <xs:annotation> <xs:documentation>Message sent on an Activity Lookup.</xs:documentation> </xs:annotation></pre>

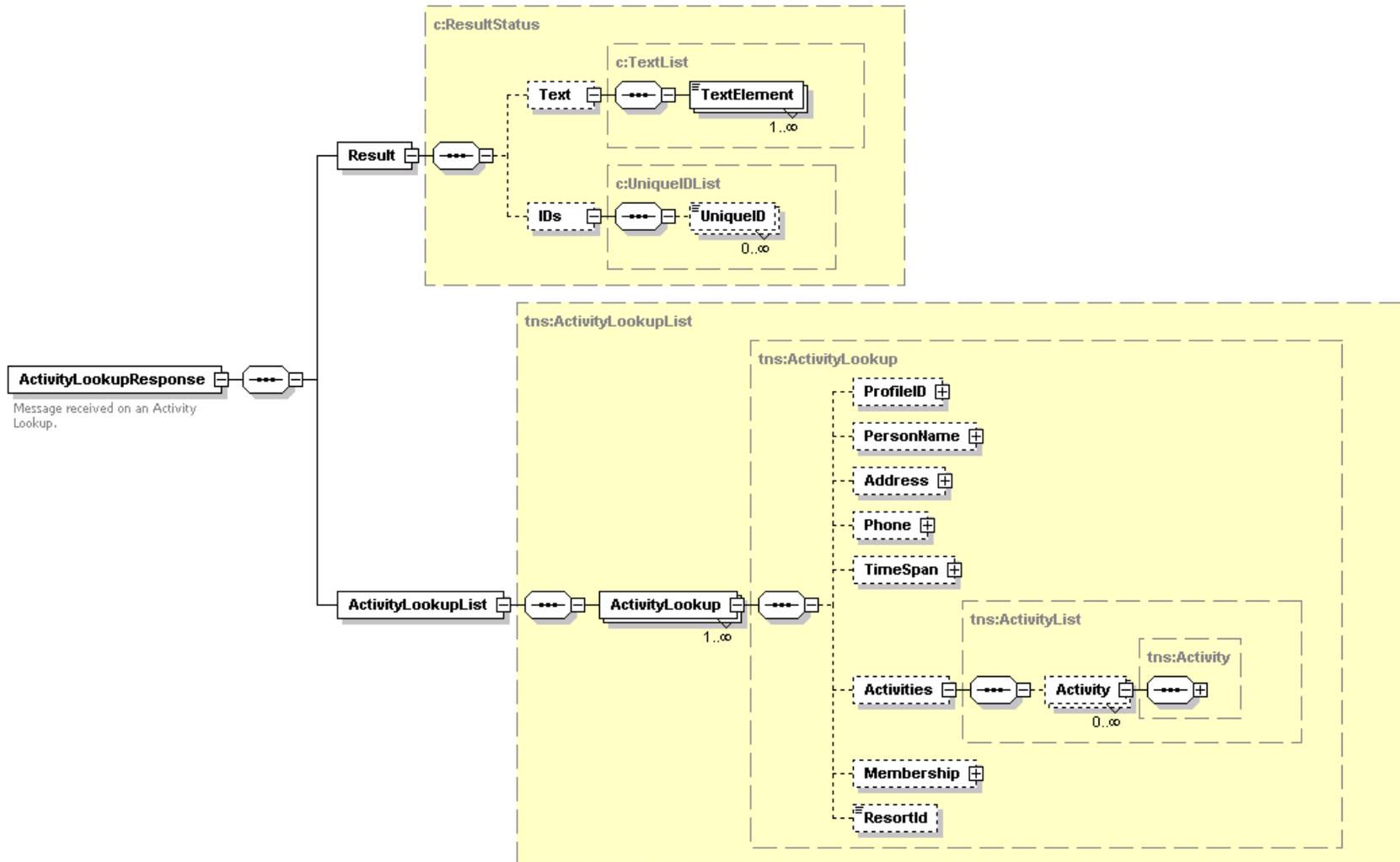
<pre> <xs:complexType> <xs:sequence> <xs:element name="ActivityLookup" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q1:ActivityLookup" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
ActivityLookup	element	ActivityLookup	required	Contains search criteria used for activity lookup.

ActivityLookup

<p>ActivityLookup</p> <pre> <xs:complexType name="ActivityLookup"> <xs:annotation> <xs:documentation>Used in the request message to describe the "filter" when executing an activity lookup. Also used in the response message to return the activities matching the filter criteria.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" name="ProfileID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> <xs:element minOccurs="0" name="PersonName" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:PersonName" /> <xs:element minOccurs="0" name="Address" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Address" /> <xs:element minOccurs="0" name="Phone" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:Phone" /> <xs:element minOccurs="0" name="TimeSpan" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q5:OGTimeSpan" /> <xs:element minOccurs="0" name="Activities" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q6:ActivityList" /> <xs:element minOccurs="0" name="Membership" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q7:Membership" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> <xs:attribute name="externalSystemId" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
externalSystemId	attribute	string	none	Not used in this context.
ProfileID	element	UniqueIDList	optional	Filter to lookup activities belonging to a specific guest profile record. The ID value applies to destination system (not requesting

				guest ID). Although an ID list is specified, the responding system is required to only process the first ID in the list (it may optionally process additional ID's). At a minimum, either a profile ID or a guest last name must be specified in this message.
PersonName	element	PersonName	optional	The name of the guest to search activities for. At a minimum, the guest's last name must be specified (unless searching by profile ID).
Address	element	Address	optional	The guest address details to further limit the search. The responding may optionally process this filter but is not required to do so.
Phone	element	Phone	optional	The guest telephone number to further limit the search. The responding may optionally process this filter but is not required to do so.
TimeSpan	element	OGTimeSpan	optional	A period of time for which to return activities for. If this optional criterion is applied, then any activity that begins, spans, or ends during this time period should be returned.
Activities	element	ActivityList	optional	An optional filter to search for specific activity matches.
Membership	element	Membership	optional	An optional filter to enhance guest name search by including membership information.
ResortId	element	string	optional	An optional filter when searching in a specific property. Typically, this is not applicable in this context.

ActivityLookupResponse



ActivityLookupResponse				
<pre><xs:element name="ActivityLookupResponse"> <xs:annotation> <xs:documentation>Message received on an Activity Lookup.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element name="ActivityLookupList" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:ActivityLookupList" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	Lookup result. If successful, the responding system is only required to set the resultStatusFlag as SUCCESS, and return the data in the ActivityLookupList.
ActivityLookupList	element	ActivityLookupList	required	A list of matching activity records.

ActivityLookupList

ActivityLookupList				
<pre><xs:complexType name="ActivityLookupList"> <xs:annotation> <xs:documentation>A collection of Activity Lookup items.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element maxOccurs="unbounded" name="ActivityLookup" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q1:ActivityLookup" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ActivityLookup	element	ActivityLookup	required / multiple	A container for one or more ActivityLookup records.

ActivityLookup

ActivityLookup				
<pre><xs:complexType name="ActivityLookup"> <xs:annotation> <xs:documentation>Used in the request message to describe the "filter" when executing an activity lookup. Also used in the response message to return the activities matching the filter criteria.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" name="ProfileID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> <xs:element minOccurs="0" name="PersonName" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:PersonName" /> <xs:element minOccurs="0" name="Address" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Address" /> <xs:element minOccurs="0" name="Phone" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:Phone" /> <xs:element minOccurs="0" name="TimeSpan" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q5:OGTimeSpan" /> <xs:element minOccurs="0" name="Activities" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q6:ActivityList" /> <xs:element minOccurs="0" name="Membership" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q7:Membership" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> <xs:attribute name="externalSystemId" type="xs:string" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
externalSystemId	attribute	string	none	Not used in this context.
ProfileID	element	UniqueIDList	optional	The profile ID from the responding system for the activity record. This is operationally required in this context.
PersonName	element	PersonName	optional	The guest name responsible for the activity. This is required in this context.
Address	element	Address	optional	The guest's primary address.
Phone	element	Phone	optional	The guest's primary phone number.
TimeSpan	element	OGTimeSpan	optional	The time the activity starts and its duration. Required in this context.
Activities	element	ActivityList	optional	A list of activities scheduled for this guest.
Membership	element	Membership	optional	The guest membership information.
ResortId	element	string	optional	The property code if applicable.

ActivityList

ActivityList				
<pre><xs:complexType name="ActivityList"> <xs:annotation> <xs:documentation xml:lang="en">A collection of Activity objects.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Activity"> <xs:complexType> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" base="q1:Activity" /> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Activity	element	Activity	optional / multiple	A collection of activity records.

Sample Message

[Request]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ActivityLookup</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:OPERA</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:73dbe98b-7b79-409c-bf6c-0cd70c62e12e</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.springermiller.com/HTNG_2_0/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-5f1dfcd2-757c-4c97-a4ee-f932f2058ea5">
        <wsu:Created>2006-11-02T19:35:39Z</wsu:Created>
```

```

    <wsu:Expires>2006-11-02T19:40:39Z</wsu:Expires>
  </wsu:Timestamp>
  <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-ad2009a7-088f-41a0-accb-1ea14a7b50a0">
    <wsse:Username>OPERA</wsse:Username>
    <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">OPERA</wsse:Password>
    <wsse:Nonce>Z3EjAxKiTnO7p6X7TvMMPg==</wsse:Nonce>
    <wsu:Created>2006-11-02T19:35:39Z</wsu:Created>
  </wsse:UsernameToken>
</wsse:Security>
</soap:Header>
<soap:Body>
  <ActivityLookupRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
    <ActivityLookup externalSystemId="SPASOFT">
      <PersonName>
        <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">VERA</FirstName>
        <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">LINDEN</LastName>
      </PersonName>
      <Address>
        <CityName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
        <StateProv xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
        <CountryCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
        <PostalCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
      </Address>
      <Phone>
        <PhoneNumber xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
      </Phone>
      <Activities>
        <Activity>
          <TimeSpan>
            <Start>2006-11-02T00:00:00</Start>
          </TimeSpan>
        </Activity>
      </Activities>
      <Membership>
        <MembershipNumber xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
      </Membership>
      <ResortId>HTNG1</ResortId>
    </ActivityLookup>
  </ActivityLookupRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ActivityLookupResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:359ee919-8a92-4be1-a489-197eedf8c2c</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:73dbe98b-7b79-409c-bf6c-0cd70c62e12e</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-c62c11cc-ea8d-47f0-a0f6-413034ec6f0d">
        <wsu:Created>2006-11-02T19:37:08Z</wsu:Created>
        <wsu:Expires>2006-11-02T19:42:08Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <ActivityLookupResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <Result code="String" resultStatusFlag="SUCCESS">
        <c:Text>
          <c:TextElement language="en"/>
        </c:Text>
        <c:IDs>
          <c:UniqueID source="SPASOFT">603</c:UniqueID>
        </c:IDs>
      </Result>
      <ActivityLookupList>
        <ActivityLookup externalSystemId="OPERA">
          <ProfileID>
            <c:UniqueID source="SPASOFT">603</c:UniqueID>
          </ProfileID>
          <PersonName>
            <c:FirstName>Vera</c:FirstName>
            <c:LastName>Linden</c:LastName>
          </PersonName>
          <Address>
            <c:AddressLine/>
            <c:CityName>Mount Albert</c:CityName>
            <c:StateProv>ON</c:StateProv>
            <c:CountryCode>CA</c:CountryCode>
          </Address>
        </ActivityLookup>
      </ActivityLookupList>
    </ActivityLookupResponse>
  </soap:Body>
</soap:Envelope>

```

```

    <c:PostalCode>LOG 1M0</c:PostalCode>
  </Address>
  <Phone phoneRole="" phoneType="">
    <c:PhoneNumber>752-1800</c:PhoneNumber>
  </Phone>
  <TimeSpan>
    <Start>2006-11-02T10:15:00</Start>
    <End>2006-11-02T10:45:00</End>
  </TimeSpan>
  <Activities>
    <Activity status="BOOK">
      <ActivityIDs>
        <c:UniqueID source="SPASOFT">3632</c:UniqueID>
      </ActivityIDs>
      <ActivityType>Spa</ActivityType>
      <Location>Tranquility</Location>
      <Name language="en">Tranquility</Name>
      <NumberOfPersons>1</NumberOfPersons>
      <TimeSpan>
        <Start>2006-11-02T10:15:00</Start>
        <End>2006-11-02T10:45:00</End>
      </TimeSpan>
      <Duration>
        <Start>2006-11-02T10:15:00</Start>
        <End>2006-11-02T10:45:00</End>
      </Duration>
      <Description language="en">Honey Bath</Description>
      <Amount currencyCode="US"/>
      <Extensions>
        <ActivitySpecific>Provider: Farrows Pierre</ActivitySpecific>
        <ActivitySpecific>Facility: Hydrotherapy Tub 1</ActivitySpecific>
        <ActivitySpecific>ReservationNo: R1184</ActivitySpecific>
      </Extensions>
    </Activity>
  </Activities>
</ActivityLookup>
</ActivityLookupList>
</ActivityLookupResponse>
</soap:Body>
</soap:Envelope>

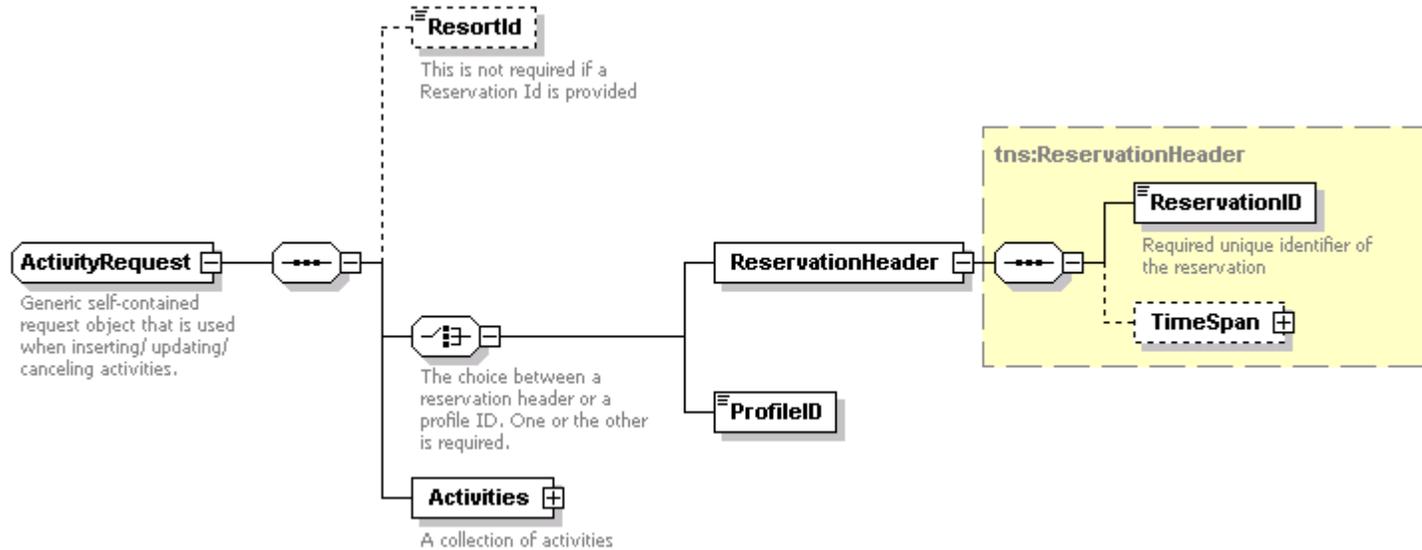
```

Create Activity

The create activity message is used to add a new activity record. The requesting system submits an CreateActivityRequest (ActivityRequest) message, and the responding system returns and CreateActivityResponse (ActivityResponse). This message is primarily applicable to the Itinerary Consolidation System, but may also be implemented by the Activity Reservation System. In order to create an activity in an external system, the requesting system must send either the guest profile ID or the guest reservation number as defined in the receiving system. If successful, the response message should include a list of activity ID's created in the external system. Note that multiple activities may be created against a single reservation or guest profile with one request.

Port	ActivityPortType
Binding	ActivityBinding
Operation	CreateActivity
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CreateActivity
Input	CreateActivityRequest
Output	CreateActivityResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Itinerary Consolidation System, Activity Reservation System

ActivityRequest



ActivityRequest

```

<xs:complexType name="ActivityRequest">
  <xs:annotation>
    <xs:documentation>Generic self-contained request object that is used when inserting/ updating/ canceling activities.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element minOccurs="0" name="ResortId" type="xs:string">
      <xs:annotation>
        <xs:documentation>This is not required if a Reservation Id is provided</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:choice>
      <xs:annotation>
        <xs:documentation xml:lang="en">The choice between a reservation header or a profile ID. One or the other is required.</xs:documentation>
      </xs:annotation>
      <xs:element name="ReservationHeader" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q1:ReservationHeader" />
      <xs:element name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID" />
    </xs:choice>
  </xs:sequence>
  <xs:element name="Activities" type="tns:Activity" minOccurs="0" maxOccurs="unbounded" />
</xs:complexType>
    
```

<pre><xs:element name="Activities" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q3:ActivityList"> <xs:annotation> <xs:documentation>A collection of activities</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ResortId	element	string	optional	The property code to create the activity for.
ReservationHeader	element	ReservationHeader	required	Identifies the guest reservation to create the activity against. Either this element or the ProfileID must be specified.
ProfileID	element	UniqueID	required	Identifies the guest profile to create the activity against. Either this element of the ReservationHeader must be specified.
Activities	element	ActivityList	required	A collection of activities to create for the reservation or guest specified.

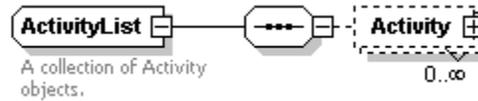
ReservationHeader

<pre><xs:complexType name="ReservationHeader"> <xs:annotation> <xs:documentation>Used to uniquely identify a reservation using it's internal ID, it's begin date and duration or end date.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID"> <xs:annotation> <xs:documentation>Required unique identifier of the reservation</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="0" name="TimeSpan" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:OGTimeSpan" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ReservationID	element	UniqueID	required	The reservation ID as defined by the receiving system.
TimeSpan	element	OGTimeSpan	optional	Not required in this context.

UniqueID

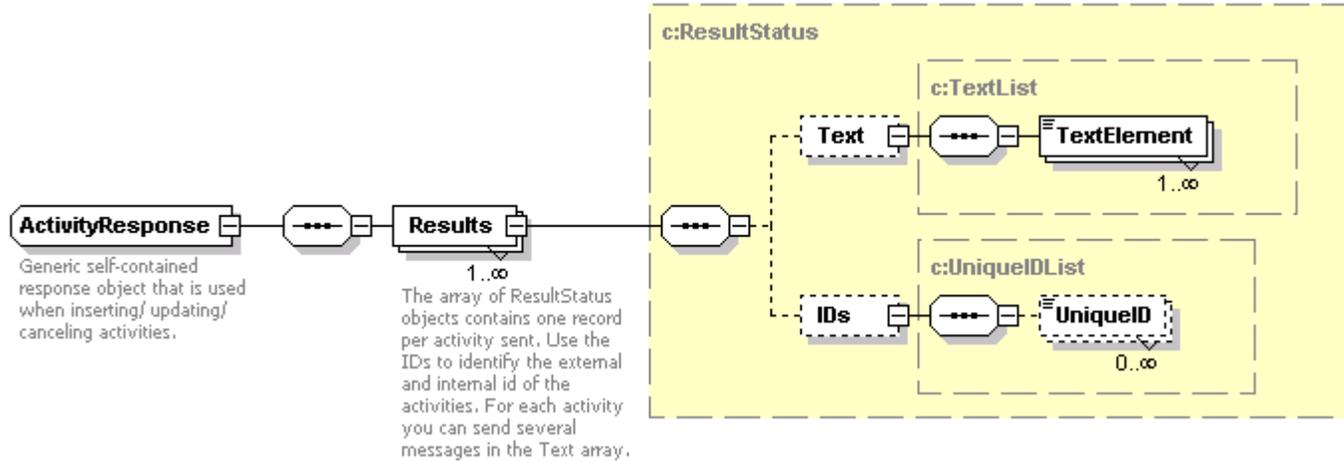
UniqueID				
<pre><xs:complexType name="UniqueID"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="source" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
UniqueID	extension	string	required	The guest profile ID as defined in the receiving system.
source	attribute	string	required	The source attribute that identifies the receiving system.

ActivityList



ActivityList				
<pre> <xs:complexType name="ActivityList"> <xs:annotation> <xs:documentation xml:lang="en">A collection of Activity objects.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Activity"> <xs:complexType> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" base="q1:Activity" /> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
Activity	element	Activity	optional / multiple	A collection of activity records to create in the external system.

ActivityResponse



```

ActivityResponse
<xs:complexType name="ActivityResponse">
  <xs:annotation>
    <xs:documentation>Generic self-contained response object that is used when inserting/ updating/ canceling activities.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="Results" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus">
      <xs:annotation>
        <xs:documentation>The array of ResultStatus objects contains one record per activity sent. Use the IDs to identify the external and internal id of the activities. For each activity you can send several messages in the Text array.</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
    
```

Name	Type	Data Type	Use	Comments
Results	element	ResultStatus	required / multiple	A collection of result elements, one for each activity requested.

ResultStatus

ResultStatus				
<pre><xs:complexType name="ResultStatus"> <xs:sequence> <xs:element minOccurs="0" name="Text" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:TextList" /> <xs:element minOccurs="0" name="IDs" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueIDList" /> </xs:sequence> <xs:attribute name="resultStatusFlag" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:ResultStatusFlag" /> <xs:attribute name="code" type="xs:string" use="optional" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
resultStatusFlag	attribute	ResultStatusFlag	required	The result (<i>SUCCESS</i> or <i>FAIL</i>) of the operation
code	attribute	string	optional	Error code for failure condition.
Text	element	TextList	optional	Error text for failure condition.
IDs	element	UniqueIDList	optional	Activity ID from requesting system, and if successful, the paired activity ID from the receiving system.

Sample Message

[Request]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CreateActivity</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:261335f2-bd1d-49e6-96b4-8fcdf2137f8a</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-d99e21bf-1227-410c-bea3-d8705adcf032">
        <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:27:14Z</wsu:Expires>
```

```

    </wsu:Timestamp>
    <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-6f2c0e7f-
ac98-4ea3-a726-d67076fc9c72">
      <wsse:Username>HTNG</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
      <wsse:Nonce>IWGqOAYkiUQXnWN5x1wS9Q==</wsse:Nonce>
      <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soap:Header>
<soap:Body>
  <CreateActivityRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
    <ResortId>HTNG1</ResortId>
    <ReservationHeader>
      <ReservationID source="OPERA">1620979</ReservationID>
      <TimeSpan>
        <Start>2006-11-03T09:15:00</Start>
        <End>2006-11-03T09:45:00</End>
      </TimeSpan>
    </ReservationHeader>
    <Activities>
      <Activity status="BOOK">
        <ActivityIDs>
          <UniqueID xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">3633</UniqueID>
        </ActivityIDs>
        <ActivityType>Spa</ActivityType>
        <Location>Tranquility</Location>
        <Name language="en">Tranquility</Name>
        <NumberOfPersons>1</NumberOfPersons>
        <TimeSpan>
          <Start>2006-11-03T09:15:00</Start>
          <End>2006-11-03T09:45:00</End>
        </TimeSpan>
        <Duration>
          <Start>2006-11-03T09:15:00</Start>
          <End>2006-11-03T09:45:00</End>
        </Duration>
        <Description language="en">Botanical Bath</Description>
        <Amount currencyCode="US"> 45.00</Amount>
        <Extensions>
          <ActivitySpecific>Provider: Cook Evelyn</ActivitySpecific>
          <ActivitySpecific>Facility: Hydrotherapy Tub 1</ActivitySpecific>
          <ActivitySpecific>ReservationNo: R1185</ActivitySpecific>
        </Extensions>
      </Activity>
    </Activities>
  </CreateActivityRequest>
</soap:Body>
</wsse:Security>
</soap:Header>
</wsu:Timestamp>

```

```

    </Extensions>
  </Activity>
</Activities>
</CreateActivityRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CreateActivityResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:114edffa-4634-49fe-93af-a0431ab0f46b</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:261335f2-bd1d-49e6-96b4-8fcdf2137f8a</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-4f4401bc-e095-4db8-8f34-eb53bd8a656f">
        <wsu:Created>2006-11-02T20:20:52Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:25:52Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <CreateActivityResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <Results resultStatusFlag="SUCCESS">
        <IDs xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
          <UniqueID source="OPERA">81453</UniqueID>
          <UniqueID source="SPASOFT">3633</UniqueID>
        </IDs>
      </Results>
    </CreateActivityResponse>
  </soap:Body>
</soap:Envelope>

```



```

    <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-64afe864-ae86-4380-bf21-ab5b5cb3b81e">
      <wsse:Username>HTNG</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
      <wsse:Nonce>2ipy/inlnw0dPBS1isvpwA==</wsse:Nonce>
      <wsu:Created>2006-11-02T20:24:58Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soap:Header>
<soap:Body>
  <UpdateActivityRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
    <ResortId>HTNG1</ResortId>
    <ReservationHeader>
      <ReservationID source="OPERA">1621230</ReservationID>
      <TimeSpan>
        <Start>2006-11-03T18:30:00</Start>
        <End>2006-11-03T20:00:00</End>
      </TimeSpan>
    </ReservationHeader>
    <Activities>
      <Activity status="BOOK">
        <ActivityIDs>
          <UniqueID xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">3638</UniqueID>
        </ActivityIDs>
        <ActivityType>Spa</ActivityType>
        <Location>Tranquility</Location>
        <Name language="en">Tranquility</Name>
        <NumberOfPersons>1</NumberOfPersons>
        <TimeSpan>
          <Start>2006-11-03T18:30:00</Start>
          <End>2006-11-03T20:00:00</End>
        </TimeSpan>
        <Duration>
          <Start>2006-11-03T18:30:00</Start>
          <End>2006-11-03T20:00:00</End>
        </Duration>
        <Description language="en">Thai Massage 80 Minutes</Description>
        <Amount currencyCode="US"> 150.00</Amount>
        <Extensions>
          <ActivitySpecific>Provider: Farrows Pierre</ActivitySpecific>
          <ActivitySpecific>Facility: Massage 1</ActivitySpecific>
          <ActivitySpecific>ReservationNo: R1190</ActivitySpecific>
        </Extensions>
      </Activity>
    </Activities>
  </UpdateActivityRequest>
</soap:Body>

```

```

        </Activity>
      </Activities>
    </UpdateActivityRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#UpdateActivityResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:9f534e5b-ef7e-4468-9599-07fee7dd823f</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:3661c78a-2d08-4a83-bc9c-983389fbaca2</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-bca32201-b0a0-4d36-b51d-a98639eae83d">
        <wsu:Created>2006-11-02T20:23:31Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:28:31Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <UpdateActivityResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <Results resultStatusFlag="SUCCESS"/>
    </UpdateActivityResponse>
  </soap:Body>
</soap:Envelope>

```

Cancel Activity

The cancel activity message is used to remove an existing activity record from an external system. The requesting system submits a CancelActivityRequest (ActivityRequest) message, and the responding system returns a CancelActivityResponse (ActivityResponse). This message is also equivalent to the Create Activity message, except that the Activity records defined in the ActivityList need only include minimal information to uniquely identify the item(s) to be cancelled.

Port	ActivityPortType
Binding	ActivityBinding

Operation	CancelActivity
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CancelActivity
Input	CancelActivityRequest
Output	CancelActivityResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Itinerary Consolidation System, Activity Reservation System

Sample Message

[Request]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wssse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CancelActivity</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:55222e43-01ea-4a15-ac6e-49bbb868eeaf</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wssse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-8098078c-028f-4b13-ace6-7ad95a75900a">
        <wsu:Created>2006-11-02T20:30:57Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:35:57Z</wsu:Expires>
      </wsu:Timestamp>
      <wssse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-14690222-
cceb-4993-984c-a6b3e8c49def">
        <wssse:Username>HTNG</wssse:Username>
        <wssse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wssse:Password>
        <wssse:Nonce>cZjtNnAd24gHWfZEhuEDHQ==</wssse:Nonce>
        <wsu:Created>2006-11-02T20:30:57Z</wsu:Created>
      </wssse:UsernameToken>
    </wssse:Security>
  </soap:Header>
  <soap:Body>
```

```

    <CancelActivityRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
    <ResortId>HTNG1</ResortId>
    <ReservationHeader>
    <ReservationID source="OPERA">1621230</ReservationID>
    <TimeSpan>
    <Start>2006-11-03T18:30:00</Start>
    <End>2006-11-03T20:00:00</End>
    </TimeSpan>
    </ReservationHeader>
    <Activities>
    <Activity status="CANC">
    <ActivityIDs>
    <UniqueID xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">3638</UniqueID>
    </ActivityIDs>
    <ActivityType>Spa</ActivityType>
    <Location>Tranquility</Location>
    <Name language="en">Tranquility</Name>
    <NumberOfPersons>1</NumberOfPersons>
    <TimeSpan>
    <Start>2006-11-03T18:30:00</Start>
    <End>2006-11-03T20:00:00</End>
    </TimeSpan>
    <Duration>
    <Start>2006-11-03T18:30:00</Start>
    <End>2006-11-03T20:00:00</End>
    </Duration>
    <Description language="en">Thai Massage 80 Minutes</Description>
    <Amount currencyCode="US"> 150.00</Amount>
    <Extensions>
    <ActivitySpecific>Provider: Farrows Pierre</ActivitySpecific>
    <ActivitySpecific>Facility: Massage 1</ActivitySpecific>
    <ActivitySpecific>ReservationNo: R1190</ActivitySpecific>
    </Extensions>
    </Activity>
    </Activities>
    </CancelActivityRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wssse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#CancelActivityResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:6a8d39cc-293a-43c8-bcb1-0c7ab7306bfc</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:55222e43-01ea-4a15-ac6e-49bbb868eeaf</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-74887dea-6abb-46bf-9191-b05595d882e9">
        <wsu:Created>2006-11-02T20:29:30Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:34:30Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <CancelActivityResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <Results resultStatusFlag="SUCCESS"/>
    </CancelActivityResponse>
  </soap:Body>
</soap:Envelope>
```

Activity Provider Port Type

The Activity Provider Port defines two functions which are implemented only by the Activity Reservation System. These are

- OutOfScopeNotification
 - Function to notify the Activity Reservation System of a change in scope for a scheduled activity.
- FetchActivities
 - Function to fetch a set of activities for a specific guest profile or reservation.

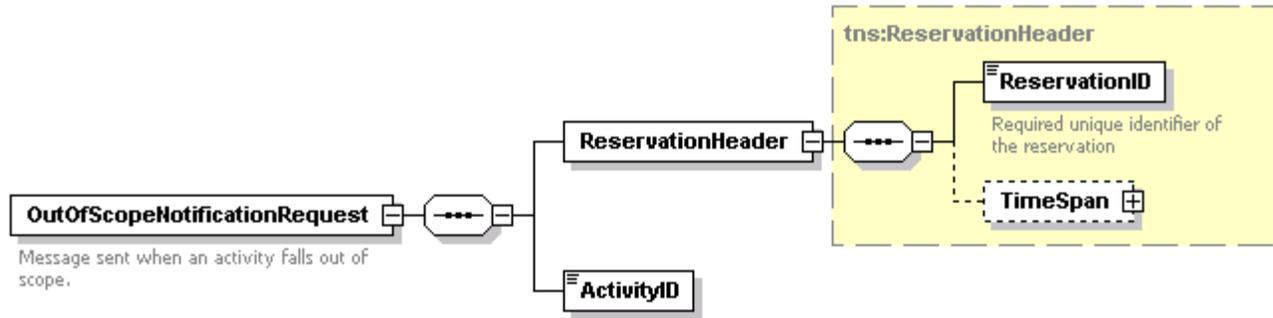
Out of Scope Notification

The Out of Scope Notification is a message designed primarily to inform the Activity Reservation System of a change in scope for a guest reservation which an activity is linked to. For instance, if an activity is linked to a guest reservation in the Accommodation Reservation System, and the reservation is cancelled, the Activity Reservation System should be notified as such. Furthermore, if a reservation date span is changed that formerly included an activity; the Activity Reservation System would likely need to be notified.

Notification is not required by the Accommodation Reservation System for a change in reservation scope. There are typically three possible actions: Request cancellation in the Activity Reservation System, notify the Activity Reservation System, or take no action. The choice is typically a business operational policy, and is therefore often provided as a configuration option within the Accommodation Reservation System.

Port	ActivityProviderPortType
Binding	ActivityProviderBinding
Operation	OutOfScopeNotification
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#OutOfScopeNotification
Input	OutOfScopeNotificationRequest
Output	OutOfScopeNotificationResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Activity Reservation System

OutOfScopeNotificationRequest



OutOfScopeNotificationRequest

```

<xs:element name="OutOfScopeNotificationRequest">
  <xs:annotation>
    <xs:documentation>Message sent when an activity falls out of scope.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ReservationHeader">
        <xs:complexType>
          <xs:complexContent mixed="false">
            <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" base="q1:ReservationHeader">
              <xs:attribute name="reservationStatus" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
                type="q2:ReservationStatusType" use="optional" />
              <xs:attribute name="otherReservationStatus" type="xs:string" use="optional" />
            </xs:extension>
          </xs:complexContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="ActivityID" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:UniqueID" />
    </xs:sequence>
    <xs:attribute name="outOfScopeAction" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
      type="q4:OutOfScopeActionType" use="required" />
    <xs:attribute name="otherOutOfScopeAction" type="xs:string" use="optional" />
  </xs:complexType>
</xs:element>

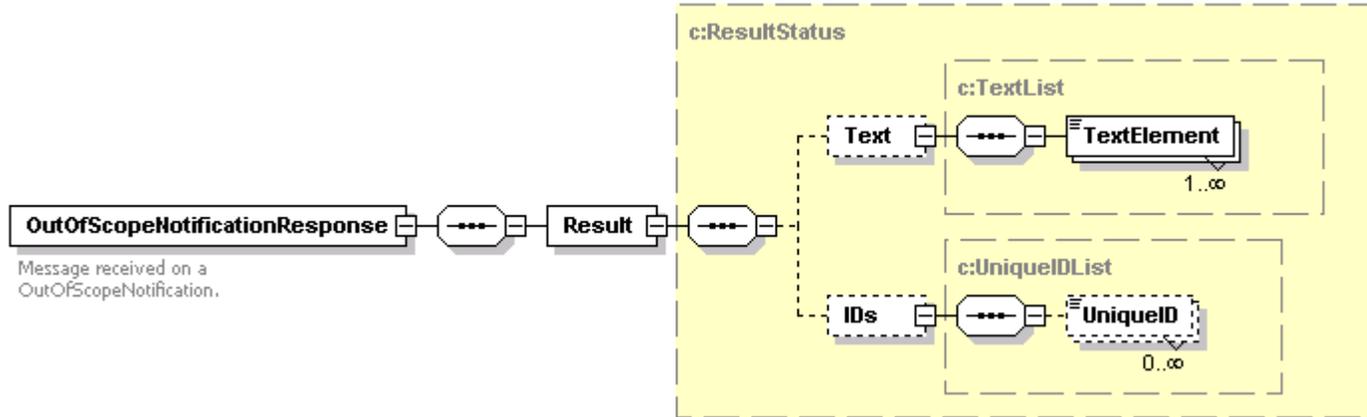
```

Name	Type	Data Type	Use	Comments
outOfScopeAction	attribute	OutOfScopeActionType	required	One of <i>RELEASE</i> , <i>BREAK</i> , <i>NOTIFICATION</i> , or <i>OTHER</i> . <i>RELEASE</i> is used to request that the activity be deleted. <i>NOTIFICATION</i> is sent to indicate a notification only. The remaining two values are not currently defined.
otherOutOfScopeAction	attribute	string	optional	Not used.
ReservationHeader	element		required	Identifies the guest's reservation applicable to the notification.
ActivityID	element	UniqueID	required	Identifies the scheduled activity related to the notification.

ReservationHeader

ReservationHeader				
<pre><xs:complexType name="ReservationHeader" > <xs:annotation> <xs:documentation>Used to uniquely identify a reservation using it's internal ID, it's begin date and duration or end date.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID"> <xs:annotation> <xs:documentation>Required unique identifier of the reservation</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="0" name="TimeSpan" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:OGTimeSpan" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ReservationID	element	UniqueID	required	The reservation ID as defined by the notifying system.
TimeSpan	element	OGTimeSpan	optional	The time span of the reservation.

OutOfScopeNotificationResponse



OutOfScopeNotificationResponse				
<pre> <xs:element name="OutOfScopeNotificationResponse"> <xs:annotation> <xs:documentation>Message received on a OutOfScopeNotification.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result from the notification. No action is typically required on the result object by the initiating system.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#OutOfScopeNotification</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:OPERA</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:33be344a-b857-4601-a64b-6f80acb94b</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.springermiller.com/HTNG_2_0</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-abb75372-7ae1-4810-a0cd-f311c5f5e79e">
        <wsu:Created>2007-02-05T18:06:40Z</wsu:Created>
        <wsu:Expires>2007-02-05T18:11:40Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-166f2cf0-
82ea-4aed-b2e4-c716c22ff737">
        <wsse:Username>OPERA</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">OPERA</wsse:Password>
        <wsse:Nonce>KnHeQA1M7kYQRVluo6Gjrw==</wsse:Nonce>
        <wsu:Created>2007-02-05T18:06:40Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <OutOfScopeNotificationRequest xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
outOfScopeAction="RELEASE" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <a:ReservationHeader reservationStatus="CANCELLED">
        <a:ReservationID source="OPERA">988386</a:ReservationID>
      </a:ReservationHeader>
      <a:ActivityID source="SPASOFT">3741</a:ActivityID>
    </OutOfScopeNotificationRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#OutOfScopeNotificationResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:bf7d32d7-e340-4d88-86dc-fa0a9fb5d558</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:33be344a-b857-4601-a64b-6f80acb94b</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-04f51b7d-ac10-4a52-9a12-d660353755ff">
        <wsu:Created>2007-02-05T18:08:10Z</wsu:Created>
        <wsu:Expires>2007-02-05T18:13:10Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <OutOfScopeNotificationResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <a:Result code="" resultStatusFlag="SUCCESS">
        <c:Text>
          <c:TextElement language="en"/>
        </c:Text>
        <c:IDs>
          <c:UniqueID source="SPASOFT">3741</c:UniqueID>
        </c:IDs>
      </a:Result>
    </OutOfScopeNotificationResponse>
  </soap:Body>
</soap:Envelope>

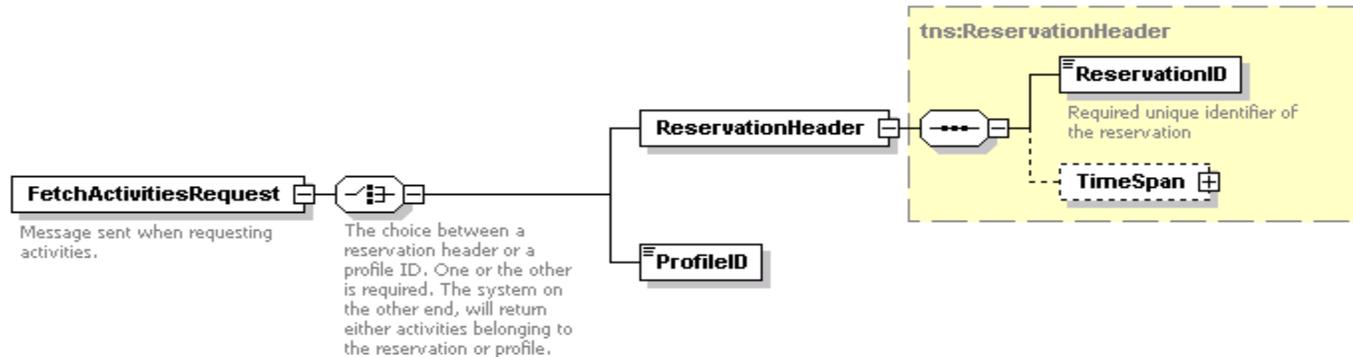
```

Fetch Activities

The Fetch Activities message is provided by the Activity Reservation System in order for an external system (typically the Activity Consolidation System) to query all scheduled activities for a particular guest. The request includes a choice element either indicating a guest profile ID or reservation ID, as defined in the receiving system.

Port	ActivityProviderPortType
Binding	ActivityProviderBinding
Operation	FetchActivities
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchActivities
Input	FetchActivitiesRequest
Output	FetchActivitiesResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Activity Reservation System

FetchActivitiesRequest



FetchActivitiesRequest
<pre><xs:element name="FetchActivitiesRequest"> <xs:annotation> <xs:documentation>Message sent when requesting activities.</xs:documentation> </xs:annotation> <xs:choice base="xs:element" minOccurs="1" maxOccurs="1"> <xs:element name="ProfileID" type="ProfileID" minOccurs="1" maxOccurs="1"/> <xs:element name="ReservationHeader" type="ReservationHeader" minOccurs="1" maxOccurs="1"/> </xs:choice> </xs:element></pre>

```

</xs:annotation>
<xs:complexType>
  <xs:choice>
    <xs:annotation>
      <xs:documentation xml:lang="en">The choice between a reservation header or a profile ID. One or the other is required. The system on the other
        end, will return either activities belonging to the reservation or profile.</xs:documentation>
    </xs:annotation>
    <xs:element name="ReservationHeader" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
      type="q1:ReservationHeader" />
    <xs:element name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID" />
  </xs:choice>
</xs:complexType>
</xs:element>

```

Name	Type	Data Type	Use	Comments
ReservationHeader	element	ReservationHeader	required	Identifies the reservation to fetch activities for. Either this element or the ProfileID must be sent.
ProfileID	element	UniqueID	required	Identifies the guest profile ID to fetch activities for. Either this element of the ReservationHeader must be sent.

ReservationHeader

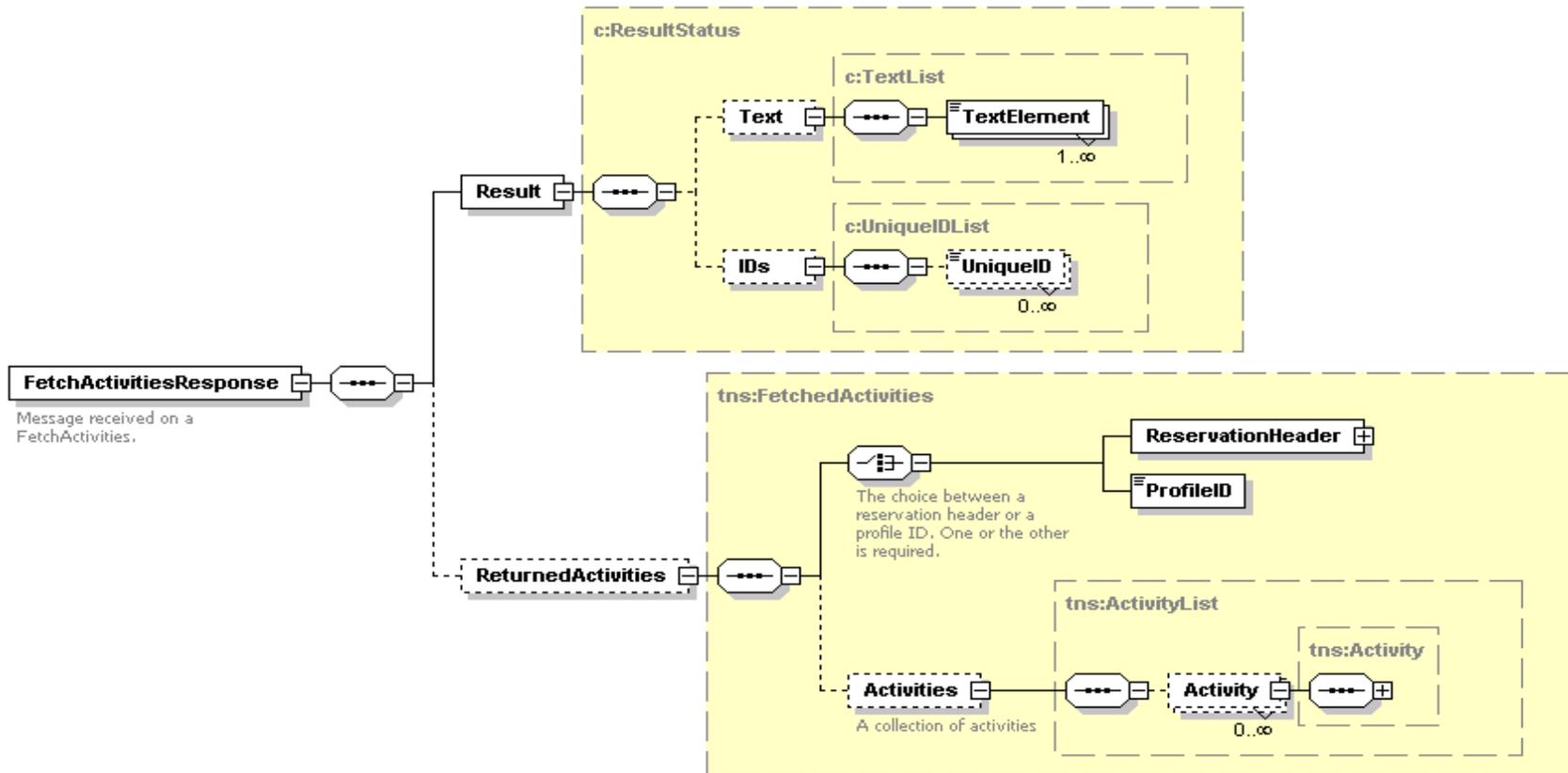
```

<xs:complexType name="ReservationHeader">
  <xs:annotation>
    <xs:documentation>Used to uniquely identify a reservation using it's internal ID, it's begin date and duration or end date.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID">
      <xs:annotation>
        <xs:documentation>Required unique identifier of the reservation</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="0" name="TimeSpan" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
      type="q2:OGTimeSpan" />
  </xs:sequence>
</xs:complexType>

```

Name	Type	Data Type	Use	Comments
ReservationID	element	UniqueID	required	The ID as defined in the receiving system.
TimeSpan	element	OGTimeSpan	optional	The date and duration of the reservation.

FetchActivitiesResponse



FetchActivitiesResponse

```
<xs:element name="FetchActivitiesResponse">
  <xs:annotation>
    <xs:documentation>Message received on a FetchActivities.</xs:documentation>
  </xs:annotation>
  <xs:complexType>
```

<pre> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element minOccurs="0" name="ReturnedActivities" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:FetchedActivities" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the operation.
ReturnedActivities	element	FetchedActivities	optional	A list of activities for the requested guest or reservation.

FetchesActivities

<pre> FetchesActivities <xs:complexType name="FetchesActivities"> <xs:annotation> <xs:documentation>Contains either a reservation header or ProfileID, indicating the owner, plus a collection of activities.</xs:documentation> </xs:annotation> <xs:sequence> <xs:choice> <xs:annotation> <xs:documentation xml:lang="en">The choice between a reservation header or a profile ID. One or the other is required.</xs:documentation> </xs:annotation> <xs:element name="ReservationHeader" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q1:ReservationHeader" /> <xs:element name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID" /> </xs:choice> <xs:element minOccurs="0" name="Activities" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q3:ActivityList"> <xs:annotation> <xs:documentation>A collection of activities</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
ReservationHeader	element	ReservationHeader	required	The reservation header (if sent in the request).
ProfileID	element	UniqueID	required	The profile ID (if send in the request).
Activities	element	ActivityList	optional	A collection of Activity records.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchActivities</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:OPERA</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:46459d60-97da-42cf-b7de-529251c84421</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.springermiller.com/HTNG_2_0/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-5fabacfd-fec2-493e-b21c-611a6f035ef4">
        <wsu:Created>2007-01-25T18:57:33Z</wsu:Created>
        <wsu:Expires>2008-01-25T19:02:33Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-998fd48c-
d649-4837-abb6-3109483a976e">
        <wsse:Username>OPERA</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">OPERA</wsse:Password>
        <wsse:Nonce>GNXdMfR1op/QbjurLIO7SQ==</wsse:Nonce>
        <wsu:Created>2007-01-25T18:57:33Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <FetchActivitiesRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ReservationHeader>
        <ReservationID>988386</ReservationID>
      </ReservationHeader>
    </FetchActivitiesRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wssse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wssu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchActivitiesResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:08f381d8-584f-4ef5-aedf-32c171a62f8f</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:46459d60-97da-42cf-b7de-529251c84421</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-36d3acd5-d1e4-4e60-b3e0-8da4ed2c4dfc">
        <wsu:Created>2007-02-05T19:19:31Z</wsu:Created>
        <wsu:Expires>2007-02-05T19:24:31Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <FetchActivitiesResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <Result code="" resultStatusFlag="SUCCESS">
        <c:Text>
          <c:TextElement language="en"/>
        </c:Text>
        <c:IDs>
          <c:UniqueID source="SPASOFT">3741</c:UniqueID>
          <c:UniqueID source="SPASOFT">4510</c:UniqueID>
        </c:IDs>
      </Result>
      <ReturnedActivities>
        <ReservationHeader>
          <ReservationID source="OPERA">988386</ReservationID>
          <TimeSpan>
            <Start>2007-01-25T09:30:00</Start>
            <End>2007-01-29T13:00:00</End>
          </TimeSpan>
        </ReservationHeader>
        <Activities>
          <Activity status="HOLD">
            <ActivityIDs>
              <c:UniqueID source="SPASOFT">3741</c:UniqueID>
            </ActivityIDs>
            <ActivityType>Spa</ActivityType>
            <Location>Tranquility Spa, Palm Springs</Location>
          </Activity>
        </Activities>
      </ReturnedActivities>
    </FetchActivitiesResponse>
  </soap:Body>
</soap:Envelope>

```

```

<Name language="en">Tranquility Spa, Palm Springs</Name>
<NumberOfPersons>1</NumberOfPersons>
<TimeSpan>
  <Start>2007-01-25T09:30:00</Start>
  <End>2007-01-25T10:00:00</End>
</TimeSpan>
<Duration>
  <Start>2007-01-25T09:30:00</Start>
  <End>2007-01-25T10:00:00</End>
</Duration>
<Description language="en">Champagne Bath</Description>
<Amount currencyCode="US"/>
<Extensions>
  <ActivitySpecific>Provider: Edwards Serena</ActivitySpecific>
  <ActivitySpecific>Facility: Hydrotherapy Tub 2</ActivitySpecific>
  <ActivitySpecific>ReservationNo: R1275</ActivitySpecific>
</Extensions>
</Activity>
<Activity status="BOOK">
  <ActivityIDs>
    <c:UniqueID source="SPASOFT">4510</c:UniqueID>
  </ActivityIDs>
  <ActivityType>Spa</ActivityType>
  <Location>Tranquility Spa, Palm Springs</Location>
  <Name language="en">Tranquility Spa, Palm Springs</Name>
  <NumberOfPersons>1</NumberOfPersons>
  <TimeSpan>
    <Start>2007-01-29T12:00:00</Start>
    <End>2007-01-29T13:00:00</End>
  </TimeSpan>
  <Duration>
    <Start>2007-01-29T12:00:00</Start>
    <End>2007-01-29T13:00:00</End>
  </Duration>
  <Description language="en">European Facial</Description>
  <Amount currencyCode="US"/>
  <Extensions>
    <ActivitySpecific>Provider: Evans Andrea</ActivitySpecific>
    <ActivitySpecific>Facility: Facial Room 5</ActivitySpecific>
    <ActivitySpecific>ReservationNo: R1464</ActivitySpecific>
  </Extensions>
</Activity>
</Activities>
</ReturnedActivities>

```

```
</FetchActivitiesResponse>  
</soap:Body>  
</soap:Envelope>
```

Activity Sync Port Type

The Activity Sync port defines a single function which may be called from the Activity Reservation System in order to notify the Itinerary Consolidation System of a change in the location of an activity.

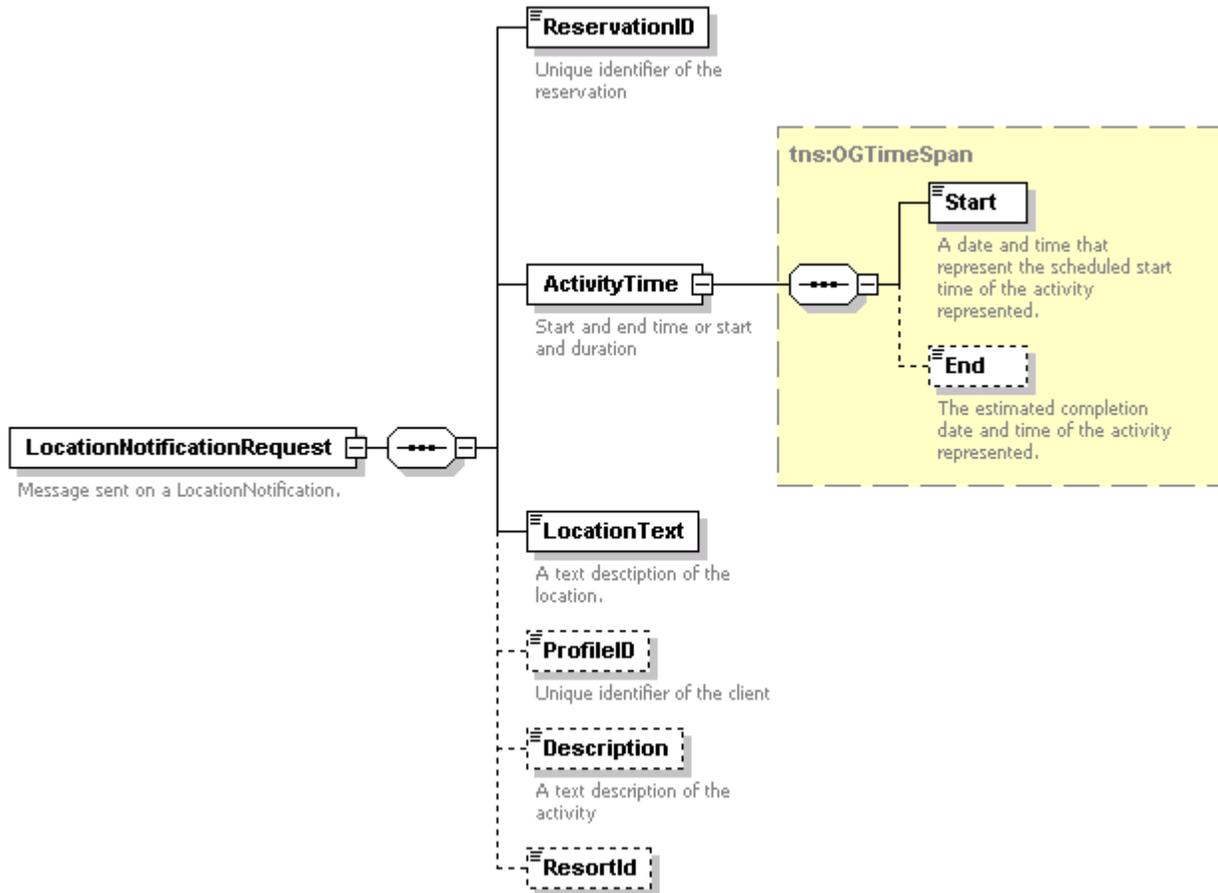
- LocationNotification
 - Function called from the Activity Reservation System in order to notify a change in the location for a scheduled activity.

Location Notification

A Location Notification message is submitted by the Activity Reservation System in order to notify the Accommodation Reservation System of a guest's current physical location. Some reservation systems implement this feature in order to locate a guest in order to forward phone calls or deliver messages.

Port	ActivitySyncPortType
Binding	ActivitySyncBinding
Operation	ActivityLookup
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#LocationNotification
Input	LocationNotificationRequest
Output	LocationNotificationResponse
Primary Schema	Activity.xsd
Role(s) Implemented	Itinerary Consolidation System

LocationNotificationRequest



LocationNotificationRequest
<pre> <xs:element name="LocationNotificationRequest"> <xs:annotation> <xs:documentation>Message sent on a LocationNotification.</xs:documentation> </xs:annotation> <xs:complexType> </pre>

```

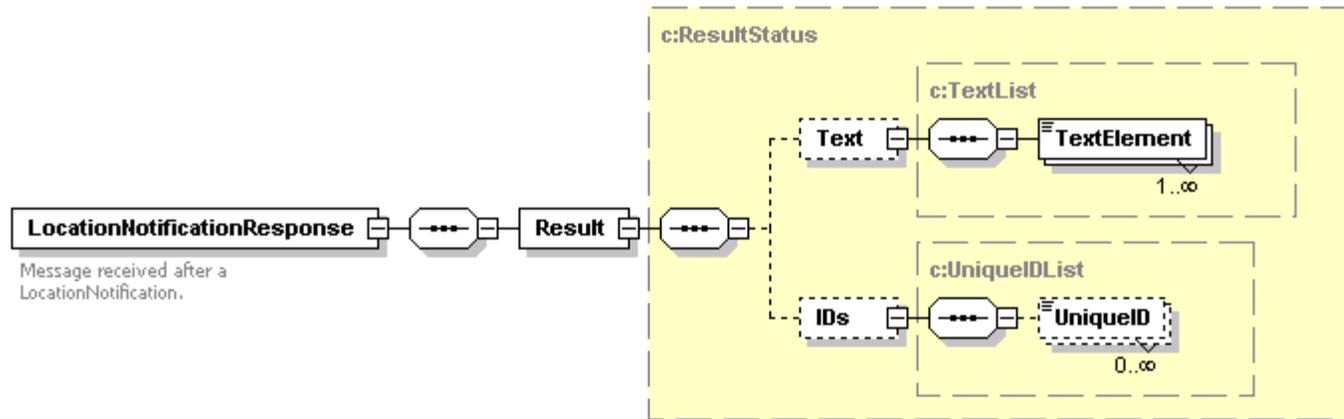
<xs:sequence>
  <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID">
    <xs:annotation>
      <xs:documentation>Unique identifier of the reservation</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="ActivityTime" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:OGTimeSpan">
    <xs:annotation>
      <xs:documentation>Start and end time or start and duration</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element name="LocationText" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Text">
    <xs:annotation>
      <xs:documentation>A text descrtiption of the location.</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element minOccurs="0" name="ProfileID" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:UniqueID">
    <xs:annotation>
      <xs:documentation>Unique identifier of the client</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element minOccurs="0" name="Description" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q5:Text">
    <xs:annotation>
      <xs:documentation>A text description of the activity</xs:documentation>
    </xs:annotation>
  </xs:element>
  <xs:element minOccurs="0" name="ResortId" type="xs:string" />
</xs:sequence>
<xs:attribute name="locationNotificationStatus" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q6:LocationNotificationStatus" use="required" />
<xs:attribute name="otherLocationNotificationStatus" type="xs:string" use="optional" />
</xs:complexType>
</xs:element>

```

Name	Type	Data Type	Use	Comments
locationNotificationStatus	attribute	LocationNotificationStatus	required	One of <i>SET</i> , <i>CLEAR</i> , or <i>OTHER</i> .
otherLocationNotificationStatus	attribute	string	optional	Not used.
ReservationID	element	UniqueID	required	The reservation ID as defined in the receiving system.
ActivityTime	element	OGTimeSpan	required	The activity time.
LocationText	element	Text	required	A description of the guest's location.
ProfileID	element	UniqueID	optional	The ID of the guest record as defined in the receiving

				system.
Description	element	Text	optional	The description of the activity.
ResortId	element	string	optional	The property ID.

LocationNotificationResponse



LocationNotificationResponse				
<pre><xs:element name="LocationNotificationResponse"> <xs:annotation> <xs:documentation>Message received after a LocationNotification.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the notification.

Sample Message

[Request]

```

<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#LocationNotification</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:5518896e-eed9-4a8b-89b6-4c4a5a3f756f</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-aeadcfc-d62bb-4569-9adf-2058cfd1f130">
        <wsu:Created>2006-11-08T17:17:45Z</wsu:Created>
        <wsu:Expires>2008-11-08T17:22:45Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-3bdd620a-
3146-4012-8da3-a202e5b1f896">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>rtQ+bYWTWfGrRipi6fhngg==</wsse:Nonce>
        <wsu:Created>2006-11-08T17:17:45Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <LocationNotificationRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types D:\htng\Activity.xsd" locationNotificationStatus="SET"
otherLocationNotificationStatus="OCEAN">
      <ReservationID source="OPERA">1621229</ReservationID>
      <ActivityTime>
        <Start>2006-11-07T09:30:47.0Z</Start>
        <End>2006-11-07T09:30:47.0Z</End>
      </ActivityTime>
    </LocationNotificationRequest>
  </soap:Body>
</soap:Envelope>

```

```

    <LocationText language="en-us">OCEAN</LocationText>
    <ProfileID source="OPERA">450018</ProfileID>
    <Description language="en-us">OCEAN</Description>
    <ResortId>HTNG1</ResortId>
  </LocationNotificationRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#LocationNotificationResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:e189f893-f319-444c-9786-51d26e6a1861</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:5518896e-eed9-4a8b-89b6-4c4a5a3f756f</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-e1fb8d71-564d-42d1-8a76-d4b305b99aab">
        <wsu:Created>2006-11-13T15:31:43Z</wsu:Created>
        <wsu:Expires>2006-11-13T15:36:43Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <LocationNotificationResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">
      <a:Result resultStatusFlag="SUCCESS"/>
    </LocationNotificationResponse>
  </soap:Body>
</soap:Envelope>

```

Name Port Type

The Name Port Type defines five functions which provide support for guest profile related operations. In order for notification messages to occur within the interface, a link is typically established for specific guest profile records in both systems. The Name Port includes functions to provide this link. In addition, it is often desired that changes to linked profiles be notified from one (or multiple) systems to the others. The Name Port also provides the means to create a new profile in an external system.

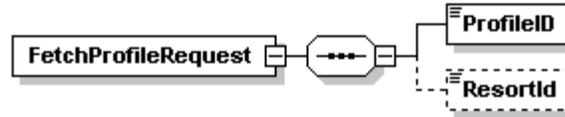
- FetchProfile
 - Request to fetch information for a guest profile based on an external ID
- NewProfile
 - This function may be used to create a new profile in an external system.
- UpdateProfile
 - This function is used to notify an external system when a linked profile is changed.
- ProfileLookup
 - The profile lookup function provides for a generic lookup against several filters.
- Subscription
 - This function is provided for notification back to an external system of the internal ID for a newly created guest profile record.

Fetch Profile

The fetch profile message is sent in order to request guest details for a specific ID as defined in the external (receiving) system.

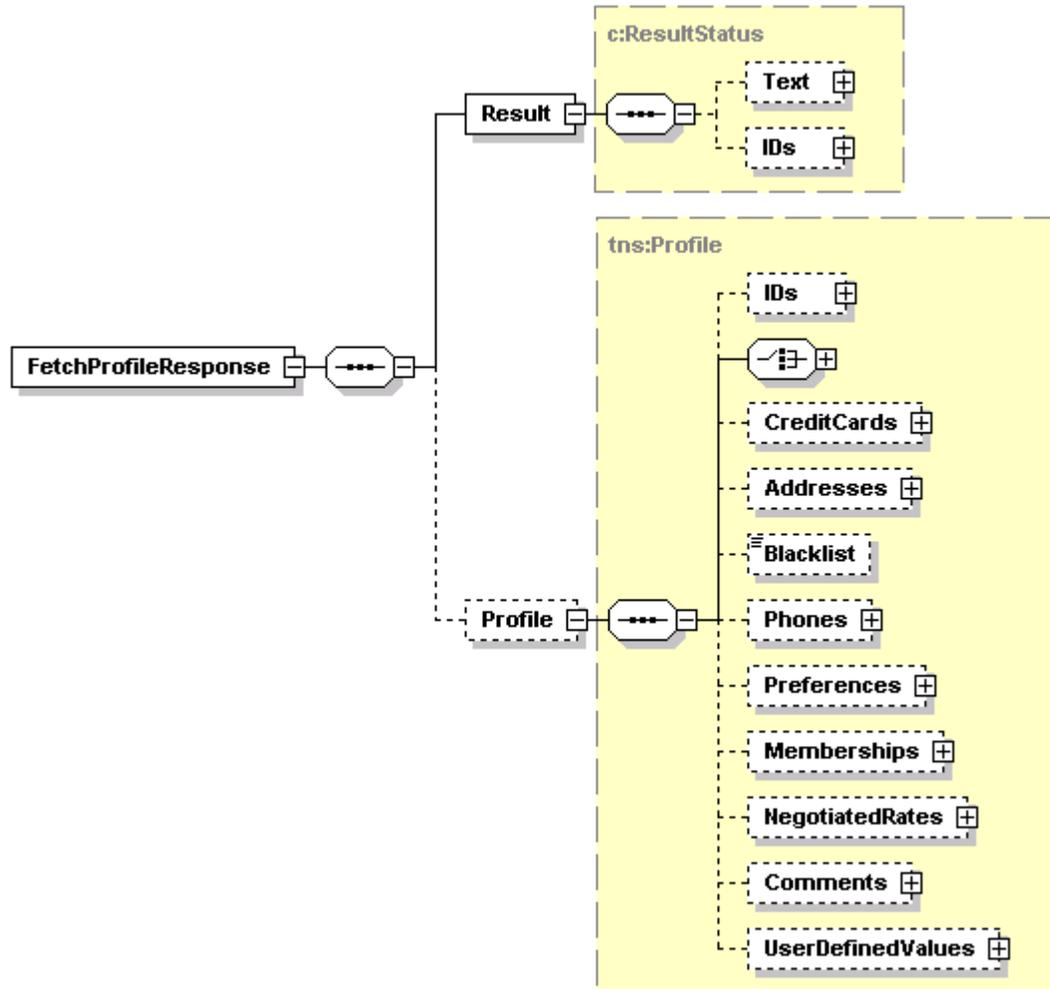
Port	NamePortType
Binding	NameBinding
Operation	FetchProfile
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchProfile
Input	FetchProfileRequest
Output	FetchProfileResponse
Primary Schema	Name.xsd
Role(s) Implemented	Customer Profile System, Activity Reservation System

FetchProfileRequest



FetchProfileRequest				
<pre><xs:element name="FetchProfileRequest"> <xs:complexType> <xs:sequence> <xs:element name="ProfileID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
ProfileID	element	UniqueID	required	The guest profile ID as defined in the receiving system.
ResortId	element	string	optional	The property the guest is associated with. This field is not required.

FetchProfileResponse



FetchProfileResponse				
<pre><xs:element name="FetchProfileResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element minOccurs="0" name="Profile" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q2:Profile" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the operation.
Profile	element	Profile	optional	Guest profile details.

Sample Message

[Request]

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchProfile</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:3661c78a-2d08-4a83-bc9c-983389fbaca2</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-1fbf61db-265b-479b-9561-bde2cf5f9fe9">
        <wsu:Created>2006-11-02T20:24:58Z</wsu:Created>
        <wsu:Expires>2008-11-02T20:29:58Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-64afe864-
ae86-4380-bf21-ab5b5cb3b81e">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>2ipy/inlnw0dPBS1isvpwA==</wsse:Nonce>
```

```

        <wsu:Created>2006-11-02T20:24:58Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <FetchProfileRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
      xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      xsi:schemaLocation="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types D:\htng\Name.xsd">
      <ProfileID source="OPERA">450018</ProfileID>
      <ResortId>HTNG1</ResortId>
    </FetchProfileRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchProfileResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:e1f65b7f-5bdc-4566-9c18-9883bdd40a56</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:3661c78a-2d08-4a83-bc9c-983389faca2</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-a1c29de1-b460-4e67-9c7d-649c589cd564">
        <wsu:Created>2006-11-13T20:36:03Z</wsu:Created>
        <wsu:Expires>2006-11-13T20:41:03Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <FetchProfileResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
      xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
      xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
      xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types">
      <n:Result resultStatusFlag="SUCCESS">
        <c:IDs>
          <c:UniqueID source="OPERA">450018</c:UniqueID>
        </c:IDs>
      </n:Result>
      <n:Profile nameType="GUEST">
        <n:IDs>
          <c:UniqueID source="OPERA">450018</c:UniqueID>
        </n:IDs>
      </n:Profile>
    </FetchProfileResponse>
  </soap:Body>
</soap:Envelope>

```

```

</n:IDs>
<n:Customer>
  <n:PersonName familiarName="VANCE">
    <c:FirstName>TIM</c:FirstName>
    <c:LastName>VANCE</c:LastName>
  </n:PersonName>
</n:Customer>
<n:CreditCards>
  <n:NameCreditCard primary="true">
    <c:CardCode>AX</c:CardCode>
    <c:CardHolderName>VANCE/TIM</c:CardHolderName>
    <c:CardNumber>373344556677889</c:CardNumber>
    <c:ExpirationDate>1999-12-31</c:ExpirationDate>
  </n:NameCreditCard>
  <n:NameCreditCard primary="true">
    <c:CardCode>MC</c:CardCode>
    <c:CardHolderName>TIM VANCE</c:CardHolderName>
    <c:CardNumber>5210000010001001</c:CardNumber>
    <c:ExpirationDate>2007-07-31</c:ExpirationDate>
  </n:NameCreditCard>
</n:CreditCards>
<n:Addresses>
  <n:NameAddress addressType="W" primary="true">
    <c:AddressLine>8512 Yellow Oak St</c:AddressLine>
    <c:CityName>Austin</c:CityName>
    <c:StateProv>TX</c:StateProv>
    <c:CountryCode>US</c:CountryCode>
    <c:PostalCode>78729</c:PostalCode>
  </n:NameAddress>
</n:Addresses>
<n:Phones>
  <n:NamePhone phoneType="HOME" phoneRole="PHONE" primary="true">
    <c:PhoneData>
      <c:PhoneNumber>800-233-0032</c:PhoneNumber>
    </c:PhoneData>
  </n:NamePhone>
</n:Phones>
</n:Profile>
</FetchProfileResponse>
</soap:Body>
</soap:Envelope>

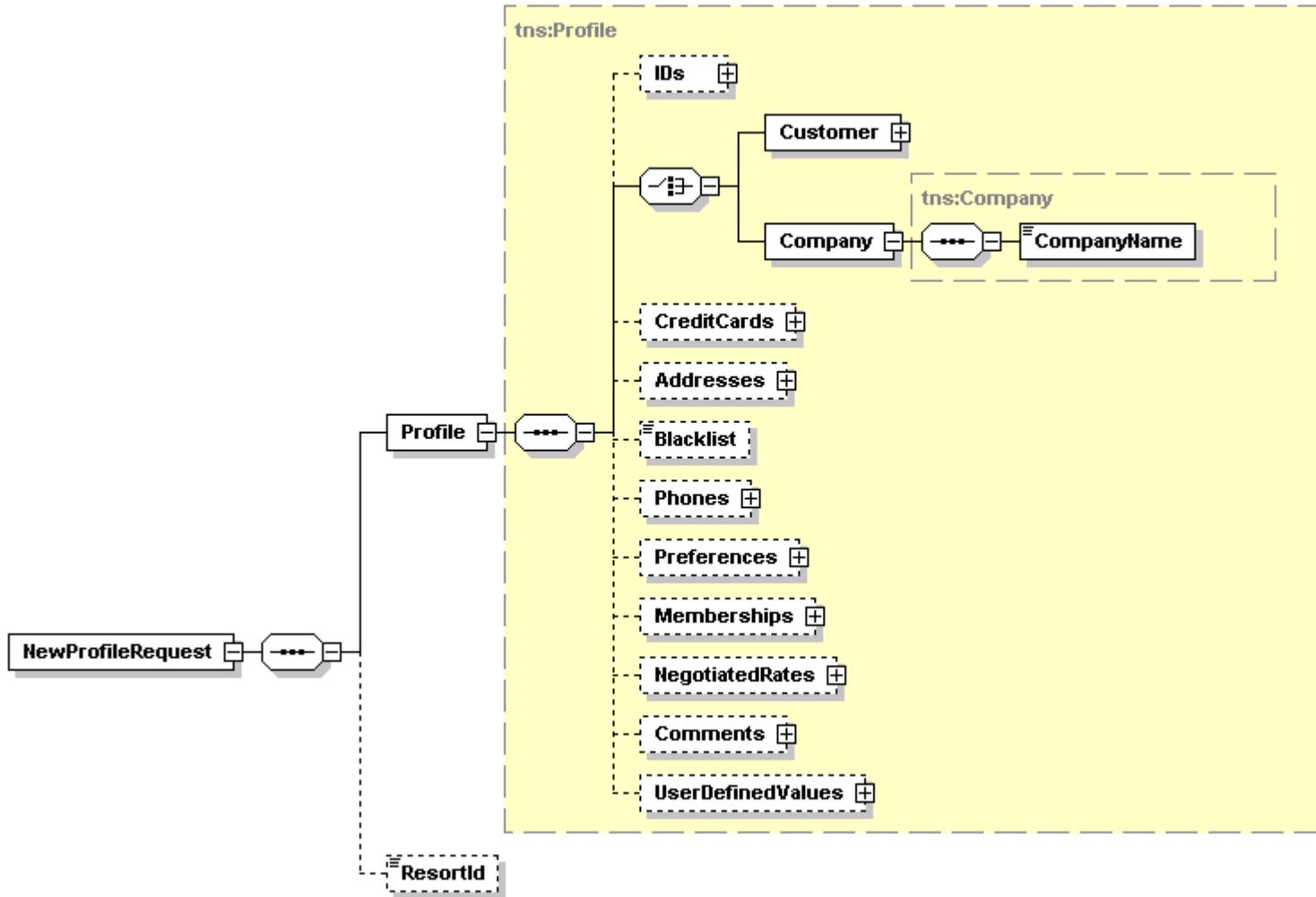
```

New Profile

A system may create a new guest profile record in an external system by calling the new profile function.

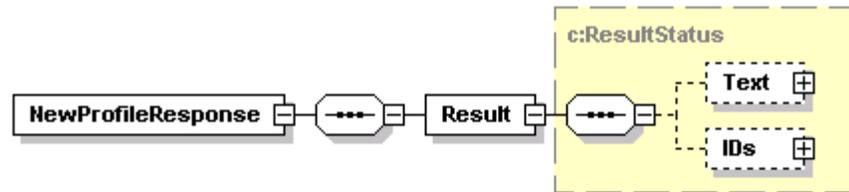
Port	NamePortType
Binding	NameBinding
Operation	NewProfile
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#NewProfile
Input	NewProfileRequest
Output	NewProfileResponse
Primary Schema	Name.xsd
Role(s) Implemented	Customer Profile System, Activity Reservation System

NewProfileRequest



NewProfileRequest				
<pre><xs:element name="NewProfileRequest"> <xs:complexType> <xs:sequence> <xs:element name="Profile" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:Profile" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Profile	element	Profile	required	The profile record to create.
ResortId	element	string	optional	The property associated with the profile.

NewProfileResponse



NewProfileResponse				
<pre><xs:element name="NewProfileResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the operation.

Sample Message

[Request]

```

<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#NewProfile</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:261335f2-bd1d-49e6-96b4-8fcdf2137f8a</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-d99e21bf-1227-410c-bea3-d8705adcf032">
        <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
        <wsu:Expires>2008-11-02T20:27:14Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-6f2c0e7f-
ac98-4ea3-a726-d67076fc9c72">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>IWGqOAYkiUQXnWN5x1wS9Q==</wsse:Nonce>
        <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <NewProfileRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types
D:\htng\Name.xsd">
      <Profile nameType="GUEST">
        <IDs>
          <c:UniqueID source="SPASOFT">567</c:UniqueID>
        </IDs>
        <Customer>
          <PersonName nameOrdered="String" familiarName="String">
            <c:LastName>String</c:LastName>
          </PersonName>
        </Customer>
      </Profile>
    </NewProfileRequest>
  </soap:Body>
</soap:Envelope>

```

```

    </Customer>
  </Profile>
  <ResortId>HTNG1</ResortId>
</NewProfileRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#NewProfileResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:2ef84640-2532-4d42-909b-8c2bfdd13338</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:261335f2-bd1d-49e6-96b4-8fcd2137f8a</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-deda7b55-7d28-4c77-ae81-575bb4904307">
        <wsu:Created>2006-11-13T21:42:02Z</wsu:Created>
        <wsu:Expires>2006-11-13T21:47:02Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <NewProfileResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types">
      <n:Result resultStatusFlag="SUCCESS">
        <c:IDs>
          <c:UniqueID source="OPERA">2255583</c:UniqueID>
          <c:UniqueID source="SPASOFT">567</c:UniqueID>
        </c:IDs>
      </n:Result>
    </NewProfileResponse>
  </soap:Body>
</soap:Envelope>

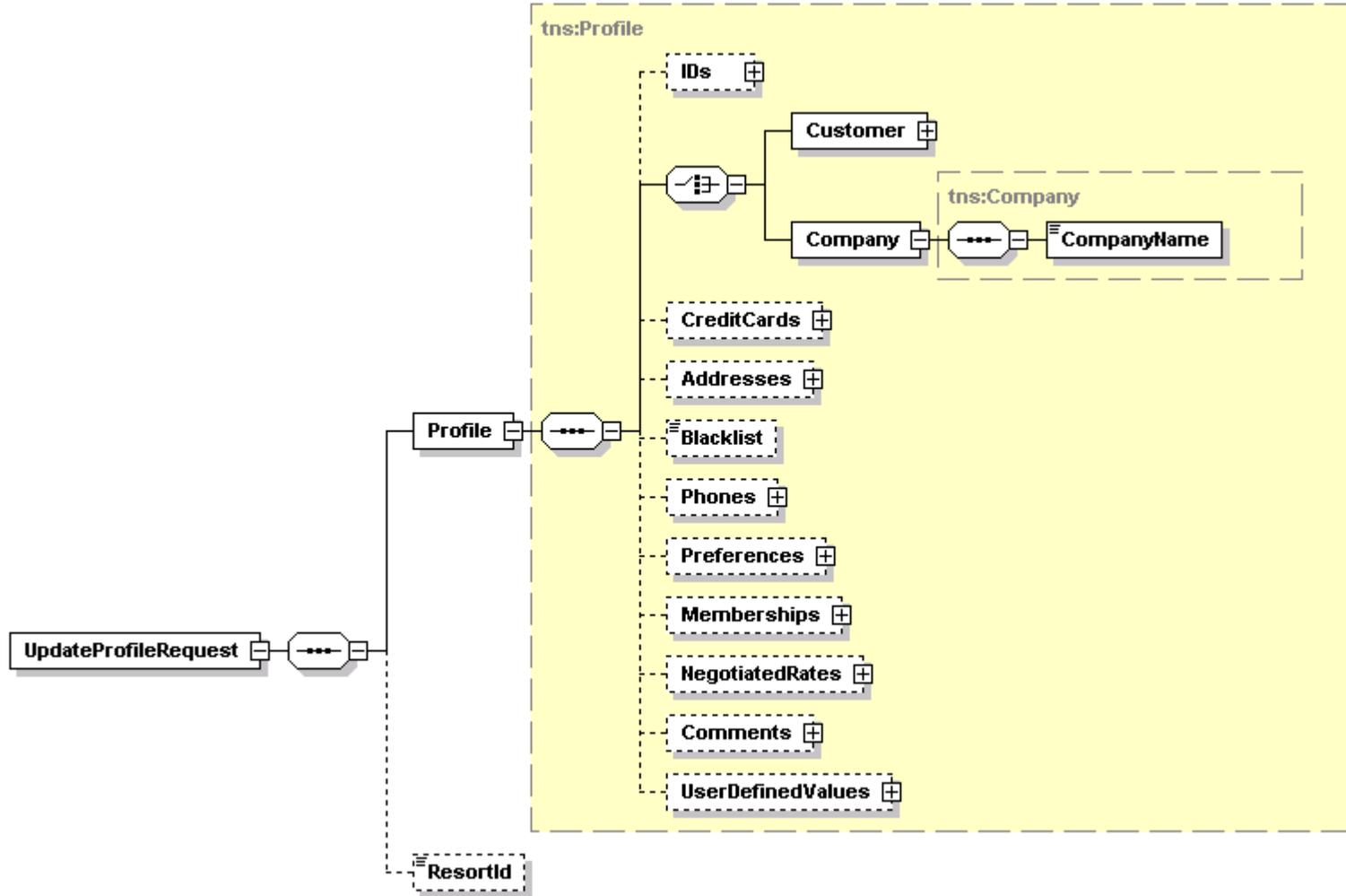
```

Update Profile

When a linked profile is changed in one system, an update profile message should be sent in order to notify all other systems of the modified record. While there may be a business practice enforced whereby updates are only made in one direction, both systems should be able to accept this message.

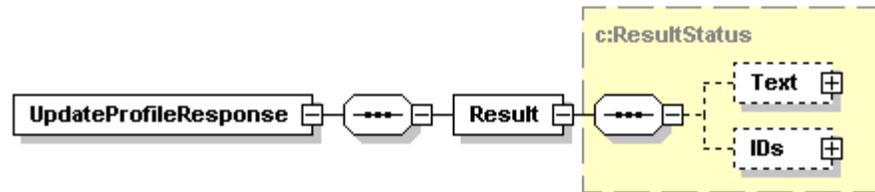
Port	NamePortType
Binding	NameBinding
Operation	UpdateProfile
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#UpdateProfile
Input	UpdateProfileRequest
Output	UpdateProfileResponse
Primary Schema	Name.xsd
Role(s) Implemented	Customer Profile System, Activity Reservation System

UpdateProfileRequest



UpdateProfileRequest				
<pre><xs:element name="UpdateProfileRequest"> <xs:complexType> <xs:sequence> <xs:element name="Profile" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:Profile" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Profile	element	Profile	required	The profile record to update. This is a full overlay update.
ResortId	element	string	optional	The property the profile is associated with.

UpdateProfileResponse



UpdateProfileResponse				
<pre><xs:element name="UpdateProfileResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the update.

Sample Message

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#UpdateProfile</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:OPERA</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:dcb32613-ee89-44b3-a910-abb165816024</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.springermiller.com/HTNG_2_0/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-eacdc200-555b-4439-adcb-1c27c2e76291">
        <wsu:Created>2007-02-05T21:30:16Z</wsu:Created>
        <wsu:Expires>2007-02-05T21:35:16Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-3100cb87-
5e67-472b-b517-c33c94425569">
        <wsse:Username>OPERA</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">OPERA</wsse:Password>
        <wsse:Nonce>v7hqyEQIgLabyTqlptKmA==</wsse:Nonce>
        <wsu:Created>2007-02-05T21:30:16Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <UpdateProfileRequest xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types">
      <n:Profile nameType="GUEST">
        <n:IDs>
          <c:UniqueID source="OPERA">5629459</c:UniqueID>
        </n:IDs>
        <n:Customer gender="UNKNOWN">
          <n:PersonName familiarName="Sevova">
            <c:FirstName>Penka</c:FirstName>
            <c:LastName>Sevova</c:LastName>
          </n:PersonName>
        </n:Customer>
      </n:Profile>
    </UpdateProfileRequest>
  </soap:Body>
</soap:Envelope>

```

```

</n:Customer>
<n:Addresses>
  <n:NameAddress addressType="HOME" primary="true">
    <c:AddressLine>2640 Us 41 s</c:AddressLine>
    <c:CityName>Naples</c:CityName>
    <c:StateProv>FL</c:StateProv>
    <c:CountryCode>US</c:CountryCode>
    <c:PostalCode>34119</c:PostalCode>
  </n:NameAddress>
  <n:NameAddress addressType="HOME" primary="false">
    <c:AddressLine>2340 Golden Gate</c:AddressLine>
    <c:CityName>Naples</c:CityName>
    <c:StateProv>FL</c:StateProv>
    <c:CountryCode>US</c:CountryCode>
    <c:PostalCode>34119</c:PostalCode>
  </n:NameAddress>
  <n:NameAddress addressType="T" primary="false">
    <c:AddressLine>2340 Golden Gate</c:AddressLine>
    <c:CityName>Naples</c:CityName>
    <c:StateProv>FL</c:StateProv>
    <c:CountryCode>US</c:CountryCode>
    <c:PostalCode>34119</c:PostalCode>
  </n:NameAddress>
</n:Addresses>
<n:Phones>
  <n:NamePhone phoneType="HOME" phoneRole="PHONE" primary="true">
    <c:PhoneData>
      <c:PhoneNumber>456</c:PhoneNumber>
    </c:PhoneData>
  </n:NamePhone>
</n:Phones>
</n:Profile>
<n:ResortId>HTNGTEST</n:ResortId>
</UpdateProfileRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>

```

```

<wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#UpdateProfileResponse</wsa:Action>
<wsa:MessageID>urn:uuid:0f166196-b066-4132-bbb0-66ef65f70c1e</wsa:MessageID>
<wsa:RelatesTo>urn:uuid:dcb32613-ee89-44b3-a910-abb165816024</wsa:RelatesTo>
<wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
<wsse:Security>
  <wsu:Timestamp wsu:Id="Timestamp-c5614cb2-779c-47fd-8f13-0963177e1ac4">
    <wsu:Created>2007-02-05T21:31:56Z</wsu:Created>
    <wsu:Expires>2007-02-05T21:36:56Z</wsu:Expires>
  </wsu:Timestamp>
</wsse:Security>
</soap:Header>
<soap:Body>
  <UpdateProfileResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
    <Result code="" resultStatusFlag="SUCCESS">
      <c:Text>
        <c:TextElement language="en"/>
      </c:Text>
      <c:IDs>
        <c:UniqueID source="OPERA">5629459</c:UniqueID>
      </c:IDs>
    </Result>
  </UpdateProfileResponse>
</soap:Body>
</soap:Envelope>

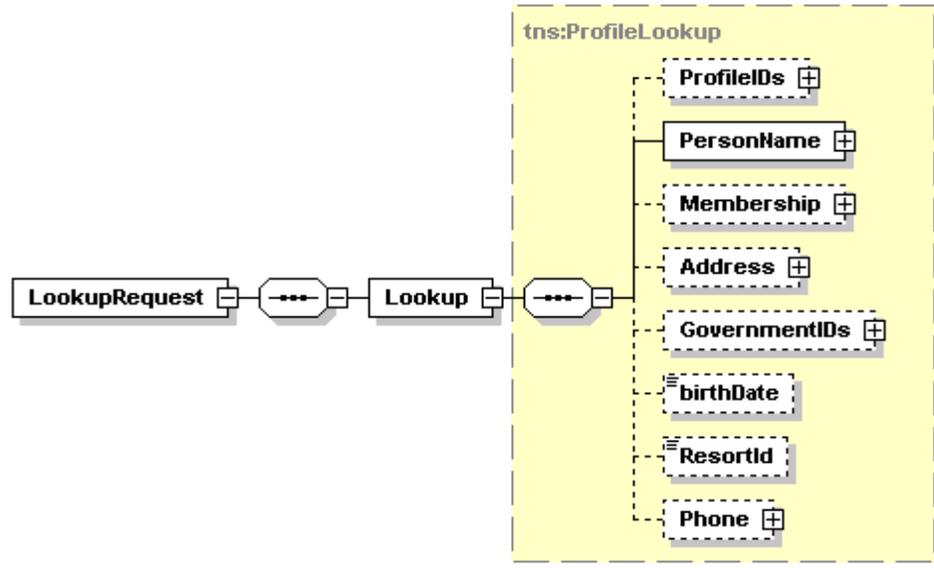
```

Profile Lookup

The profile lookup message may be used in order to request a list of guest records which match a particular set of criteria.

Port	NamePortType
Binding	NameBinding
Operation	ProfileLookup
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ProfileLookup
Input	ProfileLookupRequest
Output	ProfileLookupResponse
Primary Schema	Name.xsd
Role(s) Implemented	Customer Profile System, Activity Reservation System

LookupRequest

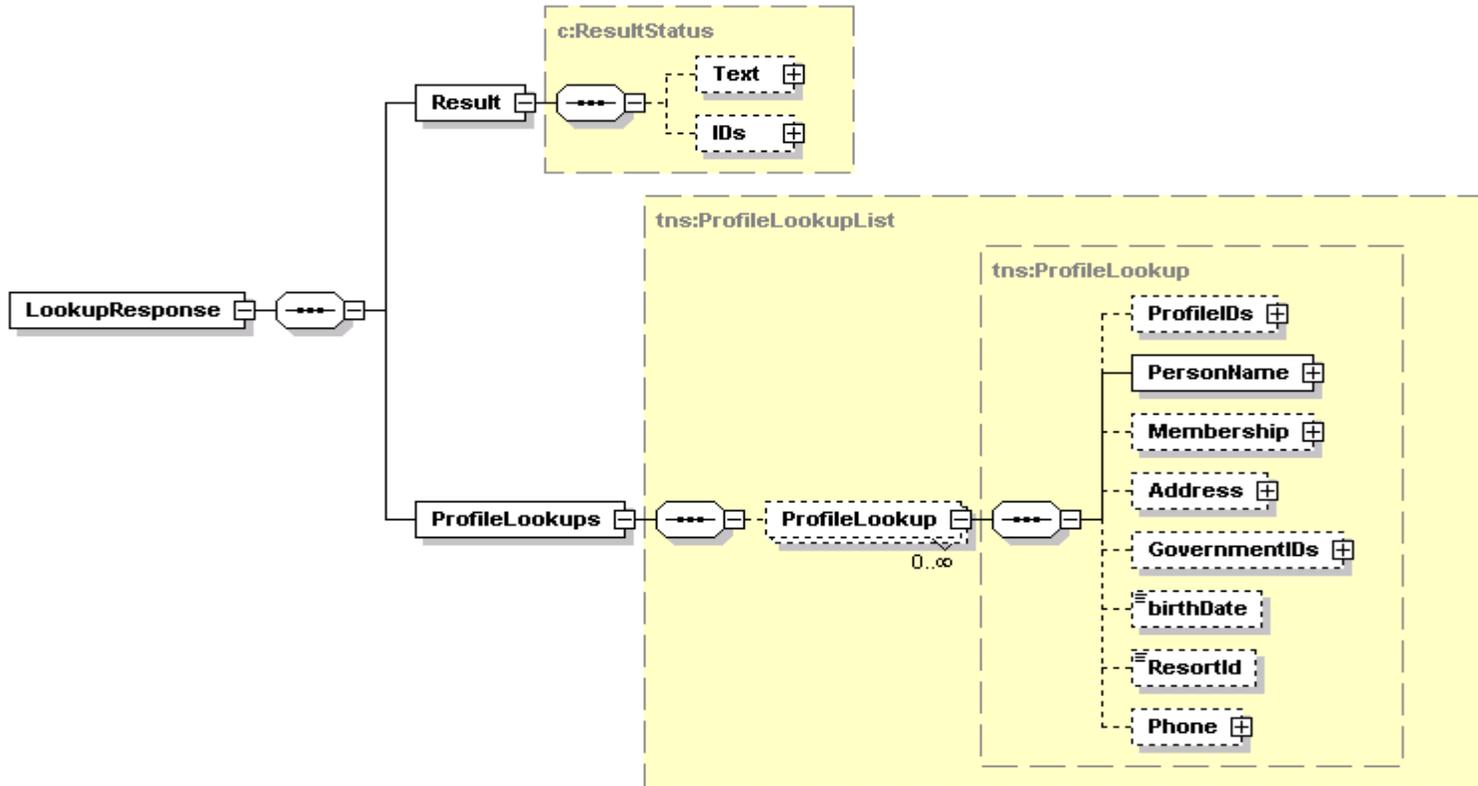


LookupRequest				
<pre><xs:element name="LookupRequest"> <xs:complexType> <xs:sequence> <xs:element name="Lookup" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:ProfileLookup" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Lookup	element	ProfileLookup	required	The lookup filter to apply.

ProfileLookup

ProfileLookup				
<pre><xs:complexType name="ProfileLookup"> <xs:sequence> <xs:element minOccurs="0" name="ProfileIDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> <xs:element name="PersonName" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:PersonName" /> <xs:element minOccurs="0" name="Membership" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Membership" /> <xs:element minOccurs="0" name="Address" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:Address" /> <xs:element minOccurs="0" name="GovernmentIDs" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q5:GovernmentIDList" /> <xs:element minOccurs="0" name="birthDate" type="xs:date" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> <xs:element minOccurs="0" name="Phone" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q6:Phone" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ProfileIDs	element	UniqueIDList	optional	A list of ID's to lookup. The receiving system is only required to honor the first value in the list.
PersonName	element	PersonName	required	A filter for an individual's name. The receiving system is only required to lookup by last and first name.
Membership	element	Membership	optional	Membership values to lookup. The receiving system is not required to honor this filter.
Address	element	Address	optional	Address values to lookup. The receiving system can use discretion in applying various components this filter.
GovernmentIDs	element	GovernmentIDList	optional	Government ID lookup values. The receiving system is not required to honor this filter.
birthDate	element	date	optional	Birth date. The receiving system is not required to apply this filter.
ResortId	element	string	optional	The property code.
Phone	element	Phone	optional	A telephone filter. The receiving system is not required to apply this filter.

LookupResponse



```

LookupResponse
<xs:element name="LookupResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" />
      <xs:element name="ProfileLookups" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q2:ProfileLookupList" />
    </xs:sequence>
  </xs:complexType>
</xs:element>
    
```

Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the operation.
ProfileLookups	element	ProfileLookupList	required	A list of matching profiles.

ProfileLookup

ProfileLookup				
<pre><xs:complexType name="ProfileLookup"> <xs:sequence> <xs:element minOccurs="0" name="ProfileIDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> <xs:element name="PersonName" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:PersonName" /> <xs:element minOccurs="0" name="Membership" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Membership" /> <xs:element minOccurs="0" name="Address" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:Address" /> <xs:element minOccurs="0" name="GovernmentIDs" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q5:GovernmentIDList" /> <xs:element minOccurs="0" name="birthDate" type="xs:date" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> <xs:element minOccurs="0" name="Phone" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q6:Phone" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ProfileIDs	element	UniqueIDList	optional	The guest record ID.
PersonName	element	PersonName	required	The guest name.
Membership	element	Membership	optional	The guest primary membership record.
Address	element	Address	optional	The guest primary address.
GovernmentIDs	element	GovernmentIDList	optional	A collection of government ID's.
birthDate	element	date	optional	The guest's birth date.
ResortId	element	string	optional	The associated property.
Phone	element	Phone	optional	The guest primary telephone.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ProfileLookup</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:4ef62b8b-72dc-4125-a403-dca797465a20</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-42887188-d0d4-4297-92e5-8091b18c963a">
        <wsu:Created>2006-11-02T20:18:21Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:23:21Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-b5059290-
0922-4492-845d-e4c7148a2a6d">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>Fnacfly4VV9e1XSujzrgvQ==</wsse:Nonce>
        <wsu:Created>2006-11-02T20:18:21Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <LookupRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <Lookup>
        <ProfileIDs>
          <c:UniqueID source=""/>
        </ProfileIDs>
        <PersonName nameOrdered="" familiarName="">
          <NameTitle xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
          <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
          <MiddleName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
          <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Brady</LastName>
          <NameSuffix xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
        </PersonName>
      </Lookup>
    </LookupRequest>
  </soap:Body>
</soap:Envelope>

```

```

</PersonName>
<Address otherAddressType="" addressType="">
  <AddressLine xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
  <CityName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
  <StateProv xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
  <CountryCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
  <PostalCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
</Address>
<ResortId>HTNG1</ResortId>
<Phone phoneRole="" phoneType="">
  <PhoneNumber xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"/>
</Phone>
</Lookup>
</LookupRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ProfileLookupResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:1cdb442c-bab2-4e37-852b-8e85cd2693b9</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:4ef62b8b-72dc-4125-a403-dca797465a20</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-46f645d8-b426-4984-9c2e-6c60a8a7da47">
        <wsu:Created>2006-11-02T20:17:25Z</wsu:Created>
        <wsu:Expires>2006-11-02T20:22:25Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <LookupResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types">
      <Result resultStatusFlag="SUCCESS"/>
      <ProfileLookups>
        <ProfileLookup>
          <ProfileIDs>
            <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">168609</UniqueID>
          </ProfileIDs>
        </ProfileLookup>
      </ProfileLookups>
    </LookupResponse>
  </soap:Body>
</soap:Envelope>

```

```

    <PersonName>
      <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">MICHAEL F</FirstName>
      <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
    </PersonName>
    <Address/>
  </ProfileLookup>
</ProfileLookup>
  <ProfileIDs>
    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">171294</UniqueID>
  </ProfileIDs>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">DON</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address/>
</ProfileLookup>
</ProfileLookup>
  <ProfileIDs>
    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">172019</UniqueID>
  </ProfileIDs>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">ROBERT E</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address/>
</ProfileLookup>
</ProfileLookup>
  <ProfileIDs>
    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">383254</UniqueID>
  </ProfileIDs>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">RAY</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address>
    <AddressLine xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">440 FAIR DR</AddressLine>
    <CityName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">COSTA MESA</CityName>
    <StateProv xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">CA</StateProv>
    <CountryCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">US</CountryCode>
    <PostalCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">92626</PostalCode>
  </Address>
</ProfileLookup>
</ProfileLookup>
  <ProfileIDs>

```

```

    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">406967</UniqueID>
  </ProfileIds>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">MATT</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address/>
</ProfileLookup>
<ProfileLookup>
  <ProfileIds>
    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">406244</UniqueID>
  </ProfileIds>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">LAURIE M</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address/>
</ProfileLookup>
<ProfileLookup>
  <ProfileIds>
    <UniqueID source="OPERA" xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">413792</UniqueID>
  </ProfileIds>
  <PersonName>
    <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">VICTORIA</FirstName>
    <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">BRADY</LastName>
  </PersonName>
  <Address>
    <AddressLine xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">40 PAGET RD.</AddressLine>
    <CityName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">MADISON</CityName>
    <StateProv xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">WI.</StateProv>
    <CountryCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">US</CountryCode>
    <PostalCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">53704</PostalCode>
  </Address>
</ProfileLookup>
</ProfileLookups>
</LookupResponse>
</soap:Body>
</soap:Envelope>

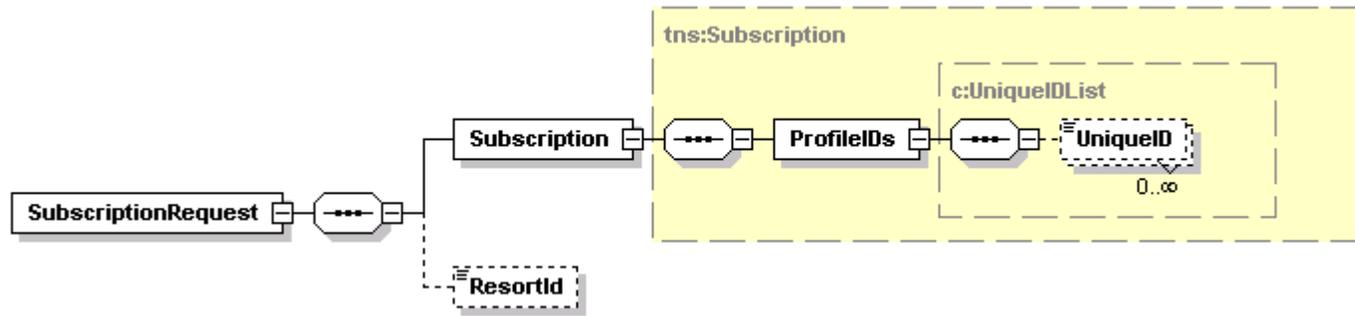
```

Subscription

A subscription message is sent to notify an external system after a new profile has been created, of the internal ID for the new record. The typical scenario consists of a sequence of three actions: A profile lookup, a profile fetch, and a subscription. Often, when a profile is fetched from an external system, it does not exist in the requesting system and must be created. The subscription record is a notification back to the other system of the record ID for the newly created guest record. While the requesting system would have both ID's, the external system would otherwise not be aware of the profile link.

Port	NamePortType
Binding	NameBinding
Operation	Subscription
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#Subscription
Input	SubscriptionRequest
Output	SubscriptionResponse
Primary Schema	Name.xsd
Role(s) Implemented	Customer Profile System, Activity Reservation System

SubscriptionRequest



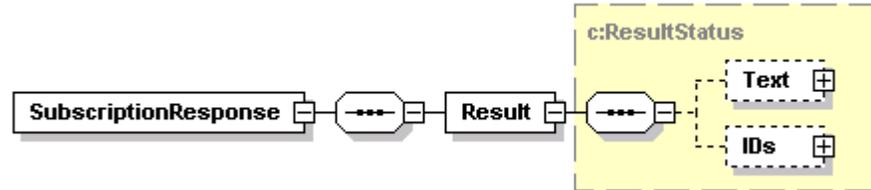
SubscriptionRequest
<xs:element name="SubscriptionRequest" >
<xs:complexType>

<pre> <xs:sequence> <xs:element name="Subscription" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:Subscription" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Subscription	element	Subscription	required	A matched pair of external and internal ID values.
ResortId	element	string	optional	The associated property code.

Subscription

Subscription <pre> <xs:complexType name="Subscription"> <xs:sequence> <xs:element name="ProfileIDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="subscriptionAction" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:SubscriptionAction" use="required" /> <xs:attribute name="otherSubscriptionAction" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
subscriptionAction	attribute	SubscriptionAction	required	One of <i>OTHER</i> , <i>SUBSCRIBE</i> , or <i>UNSUBSCRIBE</i> .
otherSubscriptionAction	attribute	string	none	Not used.
ProfileIDs	element	UniqueIDList	required	A matched pair of internal and external guest record ID's.

SubscriptionResponse



SubscriptionResponse				
<pre> <xs:element name="SubscriptionResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the subscription.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#Subscription</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:5518896e-eed9-4a8b-89b6-4c4a5a3f756f</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">

```

```

    <wsu:Timestamp wsu:Id="Timestamp-aeadcfcd-62bb-4569-9adf-2058cfd1f130">
      <wsu:Created>2006-11-08T17:17:45Z</wsu:Created>
      <wsu:Expires>2006-11-08T17:22:45Z</wsu:Expires>
    </wsu:Timestamp>
    <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-3bdd620a-3146-4012-8da3-a202e5b1f896">
      <wsse:Username>HTNG</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
      <wsse:Nonce>rtQ+bYWTWfGrRipi6fhngg==</wsse:Nonce>
      <wsu:Created>2006-11-08T17:17:45Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soap:Header>
<soap:Body>
  <SubscriptionRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
    <Subscription otherSubscriptionAction="" subscriptionAction="SUBSCRIBE">
      <ProfileIDs>
        <c:UniqueID source="OPERA">188457</c:UniqueID>
        <c:UniqueID source="SPASOFT">519</c:UniqueID>
      </ProfileIDs>
    </Subscription>
    <ResortId>HTNG1</ResortId>
  </SubscriptionRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#SubscriptionResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:0fe8b10d-2837-40ab-8d8d-2b11c80fb92b</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:5518896e-eed9-4a8b-89b6-4c4a5a3f756f</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-cde37d00-4c6f-4a48-ba04-67fd2b523f5e">
        <wsu:Created>2006-11-08T17:19:07Z</wsu:Created>
        <wsu:Expires>2006-11-08T17:24:07Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <SubscriptionResponse>
    <ResortId>HTNG1</ResortId>
  </SubscriptionResponse>
</soap:Body>
</soap:Envelope>

```

```
        </wsu:Timestamp>
      </wsse:Security>
    </soap:Header>
    <soap:Body>
      <SubscriptionResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types">
        <Result resultStatusFlag="SUCCESS"/>
      </SubscriptionResponse>
    </soap:Body>
  </soap:Envelope>
```

Reservation Provider Port Type

The Reservation Provider Port consists of four functions related to a guest reservation in an Accommodation Reservation System. The functions provide the means to lookup a reservation based on various filters, fetch reservation details, and post payments to a reservation.

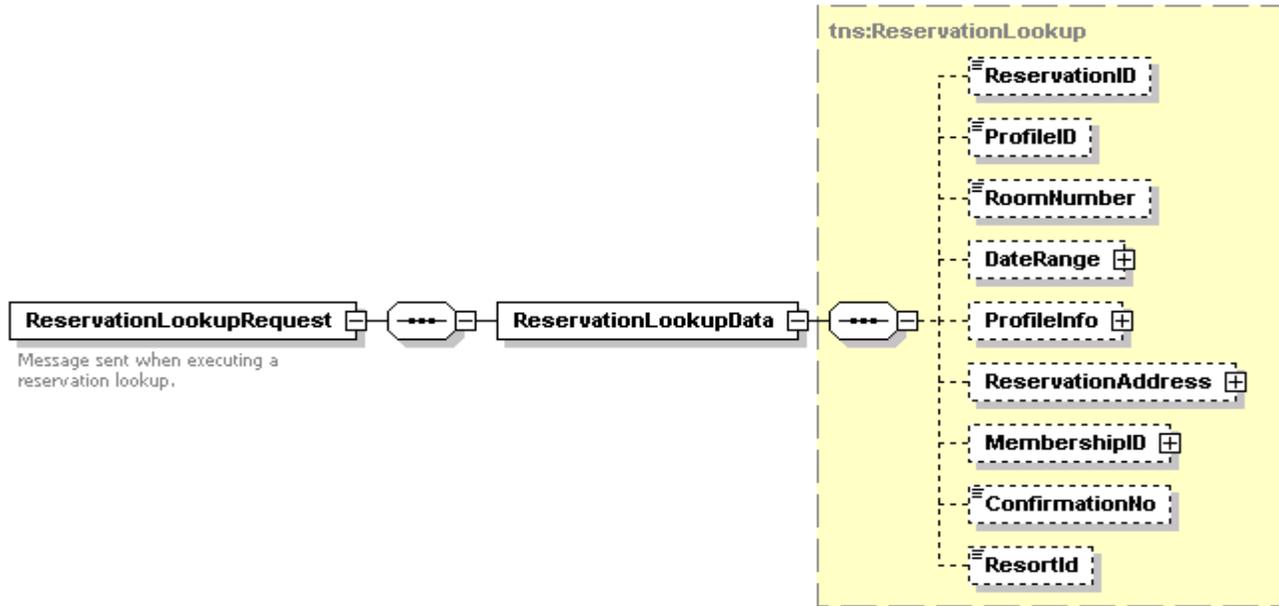
- ReservationLookup
 - Request a list of guest reservations with match one or more input filters.
- FetchReservation
 - Fetch details for a guest reservation.
- PostPayment
 - Post a payment to a guest reservation.
- GuestMessage
 - Submit a message to be delivered to a guest and provide notification.

Reservation Lookup

The Accommodation Reservation System provides the reservation lookup message in order to request a list of guest reservations matching a specified set of criteria. This is often used by the Activity Reservation System to look up a guest record by room number or confirmation number.

Port	ReservationProviderPortType
Binding	ReservationProviderBinding
Operation	ReservationLookup
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ReservationLookup
Input	ReservationLookupRequest
Output	ReservationLookupResponse
Primary Schema	Reservation.xsd
Role(s) Implemented	Accommodation Reservation System

ReservationLookupRequest

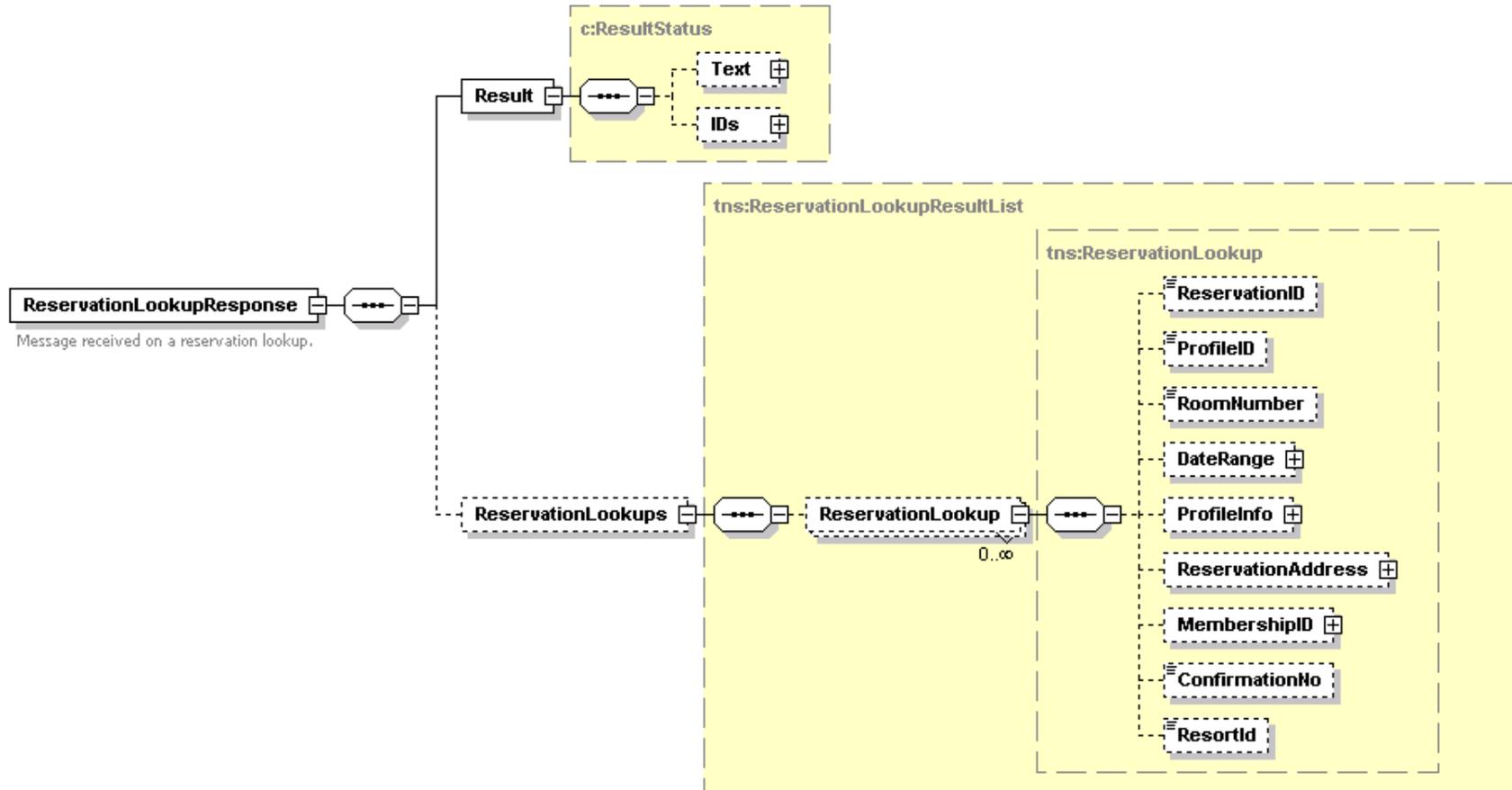


ReservationLookupRequest				
<pre> <xs:element name="ReservationLookupRequest"> <xs:annotation> <xs:documentation>Message sent when executing a reservation lookup.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ReservationLookupData" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q1:ReservationLookup" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
ReservationLookupData	element	ReservationLookup	required	Reservation lookup filter data.

ReservationLookup

ReservationLookup				
<pre><xs:complexType name="ReservationLookup"> <xs:annotation> <xs:documentation>Defines the queried data when executing a reservation lookup.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element minOccurs="0" name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID" /> <xs:element minOccurs="0" name="RoomNumber" type="xs:string" /> <xs:element minOccurs="0" name="DateRange" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q3:OGTimeSpan" /> <xs:element minOccurs="0" name="ProfileInfo" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q4:PersonName" /> <xs:element minOccurs="0" name="ReservationAddress" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q5:Address" /> <xs:element minOccurs="0" name="MembershipID" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q6:Membership" /> <xs:element minOccurs="0" name="ConfirmationNo" type="xs:string" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> <xs:attribute name="reservationStatus" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q7:ReservationStatusType" use="required" /> <xs:attribute name="otherReservationStatus" type="xs:string" use="optional" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
reservationStatus	attribute	ReservationStatusType	required	Status of reservation.
otherReservationStatus	attribute	string	optional	Not used.
ReservationID	element	UniqueID	optional	Lookup by reservation ID.
ProfileID	element	UniqueID	optional	Lookup by profile ID.
RoomNumber	element	string	optional	Lookup by room number.
DateRange	element	OGTimeSpan	optional	Lookup by date range.
ProfileInfo	element	PersonName	optional	Lookup by guest name.
ReservationAddress	element	Address	optional	Lookup by guest address.
MembershipID	element	Membership	optional	Lookup by guest membership.
ConfirmationNo	element	string	optional	Lookup by confirmation number.
ResortId	element	string	optional	Property code to lookup from.

ReservationLookupResponse



ReservationLookupResponse				
<pre><xs:element name="ReservationLookupResponse"> <xs:annotation> <xs:documentation>Message received on a reservation lookup.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element minOccurs="0" name="ReservationLookups" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q2:ReservationLookupResultList" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	Result of the lookup operation.
ReservationLookups	element	ReservationLookupResultList	optional	Collection of matching reservation summary records.

ReservationLookupResultList

ReservationLookupResultList				
<pre><xs:complexType name="ReservationLookupResultList"> <xs:annotation> <xs:documentation>Collection of reservation lookup results.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="ReservationLookup" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q1:ReservationLookup" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ReservationLookup	element	ReservationLook up	optional / multiple	Collection of ReservationLookup elements.

ReservationLookup

ReservationLookup				
<pre><xs:complexType name="ReservationLookup"> <xs:annotation> <xs:documentation>Defines the queried data when executing a reservation lookup.</xs:documentation> </xs:annotation></pre>				

```

<xs:sequence>
  <xs:element minOccurs="0" name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
    type="q1:UniqueID" />
  <xs:element minOccurs="0" name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID"
    />
  <xs:element minOccurs="0" name="RoomNumber" type="xs:string" />
  <xs:element minOccurs="0" name="DateRange" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
    type="q3:OGTimeSpan" />
  <xs:element minOccurs="0" name="ProfileInfo" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
    type="q4:PersonName" />
  <xs:element minOccurs="0" name="ReservationAddress" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
    type="q5:Address" />
  <xs:element minOccurs="0" name="MembershipID" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
    type="q6:Membership" />
  <xs:element minOccurs="0" name="ConfirmationNo" type="xs:string" />
  <xs:element minOccurs="0" name="ResortId" type="xs:string" />
</xs:sequence>
<xs:attribute name="reservationStatus" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
  type="q7:ReservationStatusType" use="required" />
<xs:attribute name="otherReservationStatus" type="xs:string" use="optional" />
</xs:complexType>
    
```

Name	Type	Data Type	Use	Comments
reservationStatus	attribute	ReservationStatusType	required	The reservation status.
otherReservationStatus	attribute	string	optional	Not used.
ReservationID	element	UniqueID	optional	The internal reservation ID from the message receiver.
ProfileID	element	UniqueID	optional	The internal guest record ID from the message receiver.
RoomNumber	element	string	optional	The guest room number.
DateRange	element	OGTimeSpan	optional	The guest arrival and departure dates.
ProfileInfo	element	PersonName	optional	The guest name.
ReservationAddress	element	Address	optional	The guest primary address.
MembershipID	element	Membership	optional	The guest primary membership.
ConfirmationNo	element	string	optional	The reservation confirmation number.
ResortId	element	string	optional	The property code.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ReservationLookup</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:393e560b-ea97-4c8f-b5f7-16bc165c4bbc</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-41a9938a-d6d9-48a6-913f-ac1be51d663a">
        <wsu:Created>2006-11-02T14:48:24Z</wsu:Created>
        <wsu:Expires>2006-11-02T14:53:24Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-b2ebe37c-
c028-457b-8fbf-45896fdea13d">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>zqISwFYwV50GNgVL4FI/uQ==</wsse:Nonce>
        <wsu:Created>2006-11-02T14:48:24Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <ReservationLookupRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <ReservationLookupData>
        <DateRange>
          <Start xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">2006-11-02T00:00:00</Start>
          <End xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">2006-11-05T00:00:00</End>
        </DateRange>
        <ProfileInfo>
          <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Vernon</FirstName>
        </ProfileInfo>
      </ReservationLookupData>
    </ReservationLookupRequest>
  </soap:Body>
</soap:Envelope>

```

```

        <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Smith</LastName>
    </ProfileInfo>
    <ResortId>HTNG1</ResortId>
</ReservationLookupData>
</ReservationLookupRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#ReservationLookupResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:8457a488-2db0-448e-919f-b0e94dcef734</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:393e560b-ea97-4c8f-b5f7-16bc165c4bbc</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-16b03c8a-7959-46e7-a23c-d3333c5d9170">
        <wsu:Created>2006-11-02T14:47:21Z</wsu:Created>
        <wsu:Expires>2006-11-02T14:52:21Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <ReservationLookupResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types">
      <Result resultStatusFlag="SUCCESS"/>
      <ReservationLookups>
        <ReservationLookup reservationStatus="CHECKED_IN">
          <ReservationID source="OPERA">1620979</ReservationID>
          <ProfileID source="OPERA">2254583</ProfileID>
          <RoomNumber>10</RoomNumber>
          <DateRange>
            <Start xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">2006-11-02T00:00:00</Start>
            <End xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types">2006-11-05T00:00:00</End>
          </DateRange>
          <ProfileInfo>
            <FirstName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Vernon</FirstName>
            <LastName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Smith</LastName>
          </ProfileInfo>
        </ReservationLookup>
      </ReservationLookups>
    </ReservationLookupResponse>
  </soap:Body>
</soap:Envelope>

```

```

    <ReservationAddress>
      <AddressLine xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Building 2</AddressLine>
      <AddressLine xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">1234 Aligator way</AddressLine>
      <CityName xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">Vanderbilt Beach</CityName>
      <StateProv xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">FL</StateProv>
      <CountryCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">US</CountryCode>
      <PostalCode xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">34107</PostalCode>
    </ReservationAddress>
    <MembershipID/>
    <ConfirmationNo>2970622</ConfirmationNo>
    <ResortId>HTNG1</ResortId>
  </ReservationLookup>
</ReservationLookups>
</ReservationLookupResponse>
</soap:Body>
</soap:Envelope>

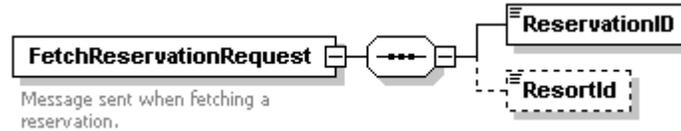
```

Fetch Reservation

The fetch reservation message is used to request details for a particular reservation based on an associated ID defined within the receiving Accommodation Reservation System. In many instances, this request is made following a reservation lookup where one reservation is selected from the list provided.

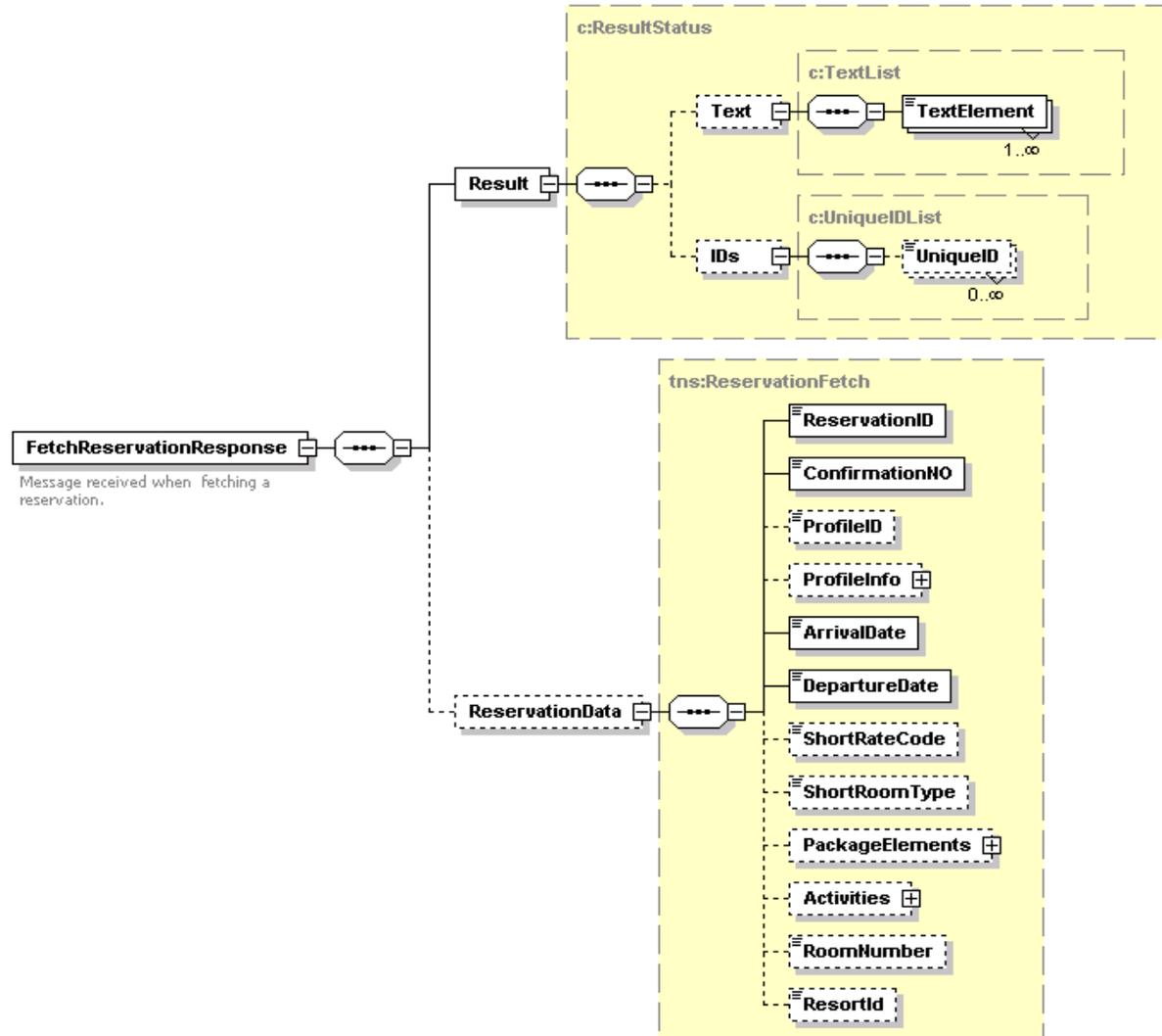
Port	ReservationProviderPortType
Binding	ReservationProviderBinding
Operation	ReservationLookup
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchReservation
Input	ReservationLookupRequest
Output	ReservationLookupResponse
Primary Schema	Reservation.xsd
Role(s) Implemented	Accommodation Reservation System

FetchReservationRequest



FetchReservationRequest				
<pre><xs:element name="FetchReservationRequest"> <xs:annotation> <xs:documentation>Message sent when fetching a reservation.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
ReservationID	element	UniqueID	required	The reservation ID to fetch.
ResortId	element	string	optional	The property code.

FetchReservationResponse



FetchReservationResponse				
<pre><xs:element name="FetchReservationResponse"> <xs:annotation> <xs:documentation>Message received when fetching a reservation.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element minOccurs="0" name="ReservationData" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q2:ReservationFetch" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result of the operation.
ReservationData	element	ReservationFetch	optional	Reservation details.

ReservationFetch

ReservationFetch
<pre><xs:complexType name="ReservationFetch"> <xs:annotation> <xs:documentation>Data returned when fetching a reservation.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element name="ConfirmationNO" type="xs:string" /> <xs:element minOccurs="0" name="ProfileID" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueID" /> <xs:element minOccurs="0" name="ProfileInfo" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:PersonName" /> <xs:element name="ArrivalDate" type="xs:dateTime" /> <xs:element name="DepartureDate" type="xs:dateTime" /> <xs:element minOccurs="0" name="ShortRateCode" type="xs:string" /> <xs:element minOccurs="0" name="ShortRoomType" type="xs:string" /> <xs:element minOccurs="0" name="PackageElements" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q4:PackageElementList" /> <xs:element minOccurs="0" name="Activities" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q5:ActivityList" /> <xs:element minOccurs="0" name="RoomNumber" type="xs:string" /> </xs:sequence> </xs:complexType></pre>

<pre> <xs:element minOccurs="0" name="ResortId" type="xs:string" /> </xs:sequence> <xs:attribute name="reservationStatus" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q6:ReservationStatusType" use="required" /> <xs:attribute name="otherReservationStatus" type="xs:string" use="optional" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
reservationStatus	attribute	ReservationStatusType	required	The reservation status.
otherReservationStatus	attribute	string	optional	Not used.
ReservationID	element	UniqueID	required	The internal reservation ID.
ConfirmationNO	element	string	required	The confirmation number.
ProfileID	element	UniqueID	optional	The primary guest profile ID.
ProfileInfo	element	PersonName	optional	The primary guest name.
ArrivalDate	element	dateTime	required	The arrival date.
DepartureDate	element	dateTime	required	The departure date.
ShortRateCode	element	string	optional	The reservatuib rate code.
ShortRoomType	element	string	optional	The room type description.
PackageElements	element	PackageElementList	optional	A collection of package elements.
Activities	element	ActivityList	optional	A collection of activities.
RoomNumber	element	string	optional	The room number.
ResortId	element	string	optional	The property code.

PackageElementList

<pre> PackageElementList <xs:complexType name="PackageElementList"> <xs:annotation> <xs:documentation>A collection of packages attached to a reservation.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element maxOccurs="unbounded" name="PackageElement" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q1:PackageElement" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
PackageElement	element	PackageElement	required / multiple	A collection of PackageElement records.

PackageElement

PackageElement				
<pre><xs:complexType name="PackageElement"> <xs:annotation> <xs:documentation>Package data attached to a reservation.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="ElementCode" type="xs:string" /> <xs:element name="ElementDescription" type="xs:string" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ElementCode	element	string	required	Package element code.
ElementDescription	element	string	required	Package element description.

Sample Message

[Request]

```
<?xml version="1.0" encoding="UTF-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" xmlns:wsa="http://schemas.xmlsoap.org/ws/2004/08/addressing" xmlns:wssse="http://docs.oasis-
open.org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchReservation</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:261335f2-bd1d-49e6-96b4-8fcdf2137f8a</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wssse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-d99e21bf-1227-410c-bea3-d8705adcf032">
        <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
        <wsu:Expires>2008-11-02T20:27:14Z</wsu:Expires>
      </wsu:Timestamp>
```

```

    <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-6f2c0e7f-
ac98-4ea3-a726-d67076fc9c72">
      <wsse:Username>HTNG</wsse:Username>
      <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
      <wsse:Nonce>IWGqOAYkiUQXnWN5x1wS9Q==</wsse:Nonce>
      <wsu:Created>2006-11-02T20:22:14Z</wsu:Created>
    </wsse:UsernameToken>
  </wsse:Security>
</soap:Header>
<soap:Body>
  <FetchReservationRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types
D:\htng\Reservation.xsd">
    <ReservationID source="OPERA">1621229</ReservationID>
    <ResortId>HTNG1</ResortId>
  </FetchReservationRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#FetchReservationResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:ff184ca9-18c0-4ce0-bab1-4b6dbb394135</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:261335f2-bd1d-49e6-96b4-8fcdf2137f8a</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-cd3c3098-f9c9-4c35-bb1d-a3e4b020e8f6">
        <wsu:Created>2006-11-14T13:13:45Z</wsu:Created>
        <wsu:Expires>2006-11-14T13:18:45Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <FetchReservationResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types">

```

```

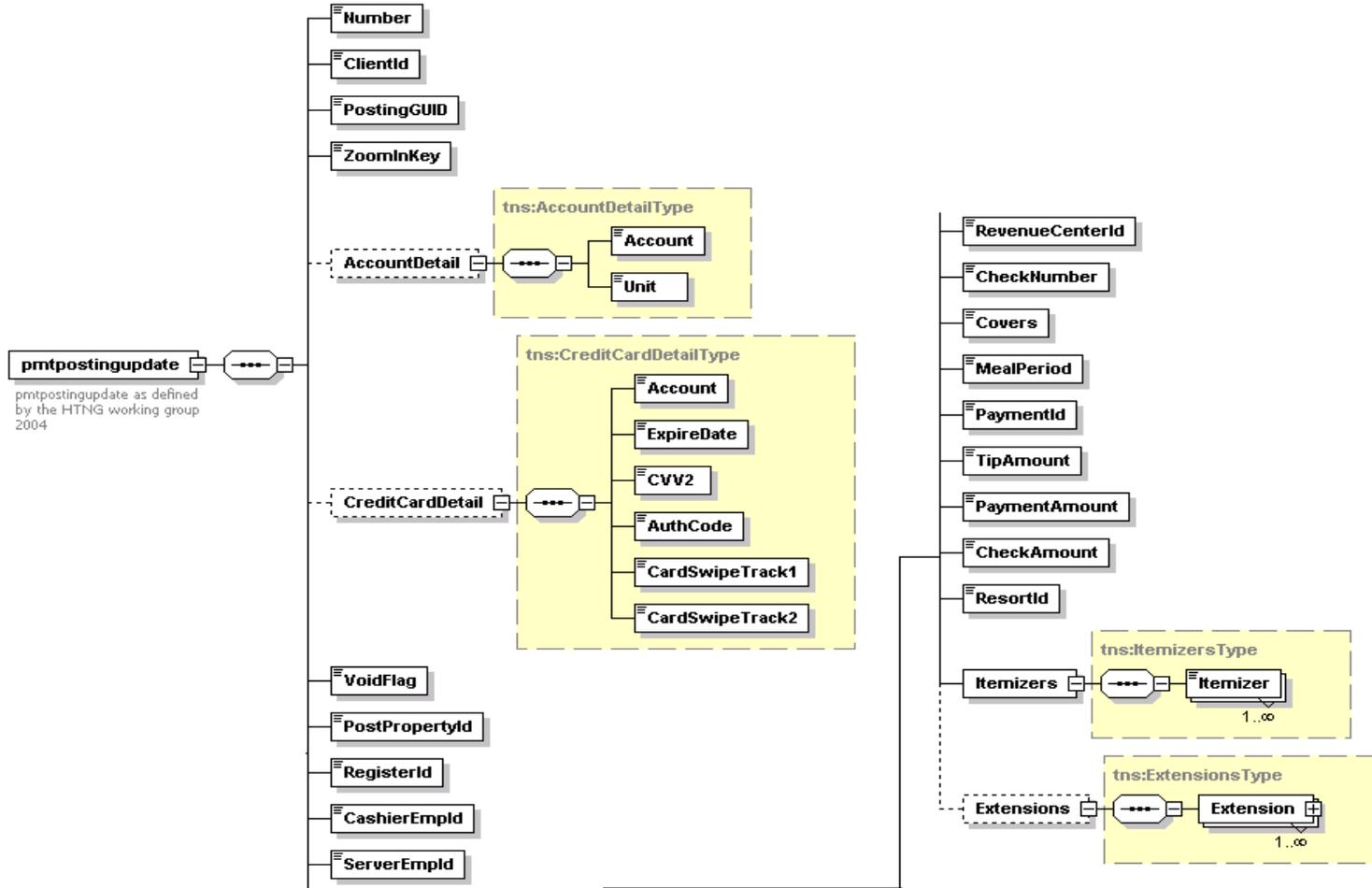
<r:Result resultStatusFlag="SUCCESS"/>
<r:ReservationData reservationStatus="RESERVED">
  <r:ReservationID source="OPERA">1621229</r:ReservationID>
  <r:ConfirmationNO>2970872</r:ConfirmationNO>
  <r:ProfileID source="OPERA">450018</r:ProfileID>
  <r:ProfileInfo>
    <c:FirstName>TIM</c:FirstName>
    <c:LastName>VANCE</c:LastName>
  </r:ProfileInfo>
  <r:ArrivalDate>2006-12-01T00:00:00</r:ArrivalDate>
  <r:DepartureDate>2006-12-05T00:00:00</r:DepartureDate>
  <r:ShortRateCode>QUEEN</r:ShortRateCode>
  <r:ShortRoomType>QUEEN</r:ShortRoomType>
  <r:ResortId>HTNG1</r:ResortId>
</r:ReservationData>
</FetchReservationResponse>
</soap:Body>
</soap:Envelope>
    
```

Post Payment

The post payment message is used to add a charge to the guest folio. This message is generated by a Posting System and sent to the Folio System. In many instances, the Posting System role is performed by the Activity Reservation System and the Folio System is actually handled by the Accommodation Reservation System. The requesting system send a PostPayment (pmtpostingupdate) request, and receives back a PostPaymentResponse (pmtpostingresults) response message.

Port	ReservationProviderPortType
Binding	ReservationProviderBinding
Operation	PostPayment
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#PostPayment
Input	PostPaymentRequest
Output	PostPaymentResponse
Primary Schema	PmtPosting.xsd
Role(s) Implemented	Folio System

PostPaymentRequest



Pmtpostingupdate

```

<xs:element name="pmtpostingupdate">
  <xs:annotation>
    <xs:documentation>pmtpostingupdate as defined by the HTNG working group 2004</xs:documentation>
  </xs:annotation>
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Number">
        <xs:complexType>
          <xs:simpleContent>
            <xs:extension base="xs:string">
              <xs:attribute name="type" use="required">
                <xs:simpleType>
                  <xs:restriction base="xs:NMTOKEN">
                    <xs:enumeration value="unit" />
                    <xs:enumeration value="resno" />
                  </xs:restriction>
                </xs:simpleType>
              </xs:attribute>
            </xs:extension>
          </xs:simpleContent>
        </xs:complexType>
      </xs:element>
      <xs:element name="ClientId" type="xs:string" />
      <xs:element name="PostingGUID" type="xs:string" />
      <xs:element name="ZoomInKey" type="xs:string" />
      <xs:element minOccurs="0" name="AccountDetail" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
        type="q1:AccountDetailType" />
      <xs:element minOccurs="0" name="CreditCardDetail" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
        type="q2:CreditCardDetailType" />
      <xs:element name="VoidFlag" type="xs:boolean" />
      <xs:element name="PostPropertyId" type="xs:unsignedInt" />
      <xs:element name="RegisterId" type="xs:unsignedInt" />
      <xs:element name="CashierEmpId" type="xs:unsignedLong" />
      <xs:element name="ServerEmpId" type="xs:unsignedLong" />
      <xs:element name="RevenueCenterId" type="xs:unsignedLong" />
      <xs:element name="CheckNumber" type="xs:unsignedInt" />
      <xs:element name="Covers" type="xs:int" />
      <xs:element name="MealPeriod" type="xs:unsignedInt" />
      <xs:element name="PaymentId" type="xs:unsignedLong" />
      <xs:element name="TipAmount" type="xs:int" />
      <xs:element name="PaymentAmount" type="xs:int" />
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

<pre> <xs:element name="CheckAmount" type="xs:int" /> <xs:element name="ResortId" type="xs:string" /> <xs:element name="Itemizers" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q3:ItemizersType" /> <xs:element minOccurs="0" name="Extensions" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q4:ExtensionsType" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Number	element		required	Identifies the account, room, unit, folio, or reservation to post the charge to. The context of the number is determined by the "Type" attribute which is one of <i>unit</i> or <i>resno</i> .
ClientId	element	string	required	The ID from the requesting system.
PostingGUID	element	string	required	A unique identifier for the posting generated by the requesting system.
ZoomInKey	element	string	required	A key which can be used by the receiving system to acquire additional details for the posting.
AccountDetail	element	AccountDetailType	optional	A record which contains detailed account data such as a particular revenue bucket.
CreditCardDetail	element	CreditCardDetailType	optional	Credit card details.
VoidFlag	element	boolean	required	Flag to indicate refund (reversal) posting.
PostPropertyId	element	unsignedInt	required	Property code.
RegisterId	element	unsignedInt	required	Register ID.
CashierEmpId	element	unsignedLong	required	Cashier employee ID.
ServerEmpId	element	unsignedLong	required	Server employee ID.
RevenueCenterId	element	unsignedLong	required	Revenue center in the POS.
CheckNumber	element	unsignedInt	required	Check number.
Covers	element	int	required	The total number of guests on the check.
MealPeriod	element	unsignedInt	required	Meal period.
PaymentId	element	unsignedLong	required	Payment method ID.
TipAmount	element	int	required	Tip amount.
PaymentAmount	element	int	required	Total payment including tip.
CheckAmount	element	int	required	Check amount.
ResortId	element	string	required	Property ID.
Itemizers	element	ItemizersType	required	A list of financial classes, types, and amounts that represents the

				breakdown of the financial data for the transaction.
Extensions	element	ExtensionsType	optional	Optional system implemented data.

AccountDetailType

AccountDetailType				
<pre><xs:complexType name="AccountDetailType"> <xs:annotation> <xs:documentation> Contains the details about the account to be used for posting the payment</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Account" type="xs:string" /> <xs:element name="Unit" type="xs:string" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Account	element	string	required	Posting account number.
Unit	element	string	required	Room number.

CreditCardDetailType

CreditCardDetailType				
<pre><xs:complexType name="CreditCardDetailType"> <xs:annotation> <xs:documentation> Holds credit card information</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Account" type="xs:string" /> <xs:element name="ExpireDate" type="xs:string" /> <xs:element name="CVV2" type="xs:string" /> <xs:element name="AuthCode" type="xs:string" /> <xs:element name="CardSwipeTrack1" type="xs:string" /> <xs:element name="CardSwipeTrack2" type="xs:string" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Account	element	string	required	Credit card account number.
ExpireDate	element	string	required	Expiration date in YYMM format.
CVV2	element	string	required	CVV2 data.
AuthCode	element	string	required	Authorization code from authorizing agency.

CardSwipeTrack1	element	string	required	MSR track 1 data.
CardSwipeTrack2	element	string	required	MSR track 2 data.

ItemizersType

ItemizersType <pre><xs:complexType name="ItemizersType"> <xs:sequence> <xs:element maxOccurs="unbounded" name="Itemizer" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q1:ItemizerType" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Itemizer	element	ItemizerType	required / multiple	A collection of itemizer records.

ItemizerType

ItemizerType <pre><xs:complexType name="ItemizerType"> <xs:simpleContent> <xs:extension base="xs:int"> <xs:attribute name="class" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="discount" /> <xs:enumeration value="gratuity" /> <xs:enumeration value="sales" /> <xs:enumeration value="serviceCharge" /> <xs:enumeration value="tax" /> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="id" type="xs:unsignedInt" use="required" /> <xs:attribute name="name" type="xs:string" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
ItemizerType	extension	int		The itemizer type.

class	attribute		required	The financial class. Valid values are <i>discount</i> , <i>gratuity</i> , <i>sales</i> , <i>serviceCharge</i> , and <i>tax</i> .
id	attribute	unsignedInt	required	The subtype within the class.
name	attribute	string	required	A description of the itemizer value.

ExtensionsType

ExtensionsType				
<pre><xs:complexType name="ExtensionsType"> <xs:sequence> <xs:element maxOccurs="unbounded" name="Extension" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q1:ExtensionType" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Extension	element	ExtensionType	required / multiple	

ExtensionType

ExtensionType				
<pre><xs:complexType name="ExtensionType"> <xs:choice> <xs:element name="MenuItemList" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q1:MenuItemListType" /> <xs:element name="ReceiptImage" type="xs:string" /> <xs:element name="SignatureImage" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q2:SignatureImageType" /> </xs:choice> <xs:attribute name="class" use="required"> <xs:simpleType> <xs:restriction base="xs:NMTOKEN"> <xs:enumeration value="menuItemdetail" /> <xs:enumeration value="receiptimage" /> <xs:enumeration value="signatureimage" /> </xs:restriction> </xs:simpleType> </xs:attribute> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments

class	attribute		required	Identifies the type of extension. One of <i>menuItemdetail</i> , <i>receiptimage</i> , or <i>signatureimage</i> .
MenuItemList	element	MenuItemListType	required	A collection of menuitems.
ReceiptImage	element	string	required	A text image of the printed receipt.
SignatureImage	element	SignatureImageType	required	Signature capture image.

MenuItemListType

MenuItemListType				
<pre><xs:complexType name="MenuItemListType"> <xs:sequence> <xs:element maxOccurs="unbounded" name="MenuItem" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types" type="q1:MenuItemType" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
MenuItem	element	MenuItemType	required / multiple	A collection of menuitems.

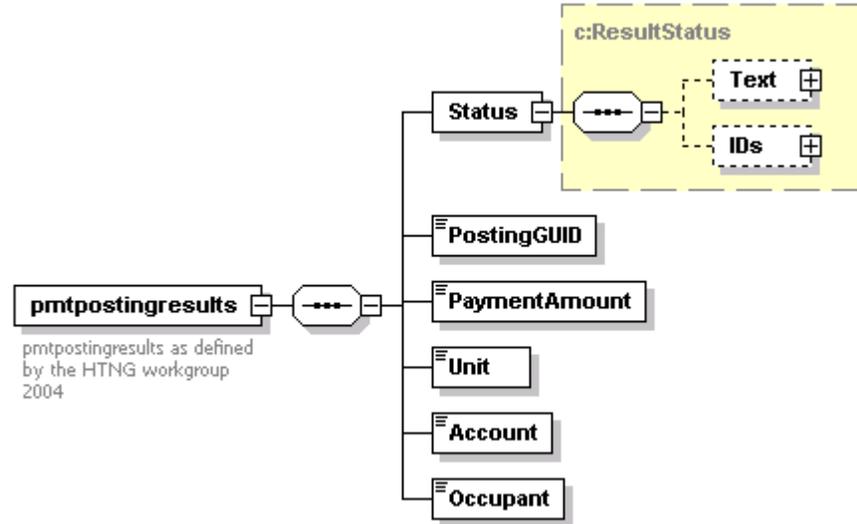
MenuItemType

MenuItemType				
<pre><xs:complexType name="MenuItemType"> <xs:sequence> <xs:element name="id" type="xs:string" /> <xs:element name="name" type="xs:string" /> <xs:element name="qty" type="xs:int" /> <xs:element name="price" type="xs:int" /> <xs:element name="extPrice" type="xs:int" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
id	element	string	required	The menu item identifier.
name	element	string	required	The name of the menu item.
qty	element	int	required	The quantity sold.
price	element	int	required	The menu price for a single item.
extPrice	element	int	required	Extension of quantity * price.

SignatureImageType

SignatureImageType				
<pre><xs:complexType name="SignatureImageType"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="encoding" type="xs:string" use="required" /> <xs:attribute name="imageFormat" type="xs:string" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
SignatureImageType	extension	string		Contains the signature data.
encoding	attribute	string	required	Defines the format of the data.
imageFormat	attribute	string	required	Defines the format of the data.

PostPaymentResponse



Pmtpostingresults				
<pre> <xs:element name="pmtpostingresults"> <xs:annotation> <xs:documentation>pmtpostingresults as defined by the HTNG workgroup 2004</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Status" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> <xs:element name="PostingGUID" type="xs:string" /> <xs:element name="PaymentAmount" type="xs:int" /> <xs:element name="Unit" type="xs:string" /> <xs:element name="Account" type="xs:string" /> <xs:element name="Occupant" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Status	element	ResultStatus	required	The result of the posting.

PostingGUID	element	string	required	Return of the submitted GUID
PaymentAmount	element	int	required	The total payment amount.
Unit	element	string	required	The unit posted to.
Account	element	string	required	The account posted to.
Occupant	element	string	required	The name of the occupant.

Sample Message

[Request]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#PostPayment</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:a57205c6-61b4-47ab-aef7-424ab4c0ac5e</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-4b9231cb-8bfd-468a-8380-9b38e4191ad2">
        <wsu:Created>2006-11-02T19:52:58Z</wsu:Created>
        <wsu:Expires>2006-11-02T19:57:58Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-d4f5d827-
3e6f-47f9-a510-540377f74faa">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>eceBCgHaKyv2r8c6JaMwg==</wsse:Nonce>
        <wsu:Created>2006-11-02T19:52:58Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
```

```

<pmtpostingupdate xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
  <Number type="resno">1620979</Number>
  <ClientId>604</ClientId>
  <PostingGUID>821072F0360F44B1A583F94F16D252E</PostingGUID>
  <ZoomInKey>1354</ZoomInKey>
  <AccountDetail>
    <Account>1620979</Account>
    <Unit>10</Unit>
  </AccountDetail>
  <VoidFlag>>false</VoidFlag>
  <PostPropertyId>0</PostPropertyId>
  <RegisterId>8</RegisterId>
  <CashierEmpId>98</CashierEmpId>
  <ServerEmpId>98</ServerEmpId>
  <RevenueCenterId>1</RevenueCenterId>
  <CheckNumber>1443</CheckNumber>
  <Covers>1</Covers>
  <MealPeriod>1</MealPeriod>
  <PaymentId>5</PaymentId>
  <TipAmount>4091</TipAmount>
  <PaymentAmount>5113</PaymentAmount>
  <CheckAmount>5113</CheckAmount>
  <ResortId>HTNG1</ResortId>
  <Itemizers>
    <Itemizer id="2" name="Spa Activities" class="sales">4091</Itemizer>
    <Itemizer id="1" name="serviceCharge" class="serviceCharge">409</Itemizer>
    <Itemizer id="1" name="tax1" class="tax">286</Itemizer>
    <Itemizer id="2" name="tax2" class="tax">327</Itemizer>
  </Itemizers>
  <Extensions>
    <Extension class="menuitemdetail">
      <MenuItemList>
        <MenuItem>
          <id>49</id>
          <name>Botanical Bath</name>
          <qty>100</qty>
          <price>4500</price>
          <extPrice>5113</extPrice>
        </MenuItem>
      </MenuItemList>
    </Extension>
  </Extensions>
</pmtpostingupdate>

```

```
</soap:Body>
</soap:Envelope>
```

[Response]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#PostPaymentResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:2676f529-5f9a-4214-a1da-b9320f615b0c</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:a57205c6-61b4-47ab-ae7-424ab4c0ac5e</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-c52ca723-8c70-45a7-a80e-012543bf3feb">
        <wsu:Created>2006-11-02T19:51:44Z</wsu:Created>
        <wsu:Expires>2006-11-02T19:56:44Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <pmtpostingresults xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types">
      <Status resultStatusFlag="SUCCESS"/>
      <PostingGUID>821072F0360F44B1A583F94F16D252E</PostingGUID>
      <PaymentAmount>5113</PaymentAmount>
      <Unit>10</Unit>
      <Account>1620979</Account>
    </pmtpostingresults>
  </soap:Body>
</soap:Envelope>
```

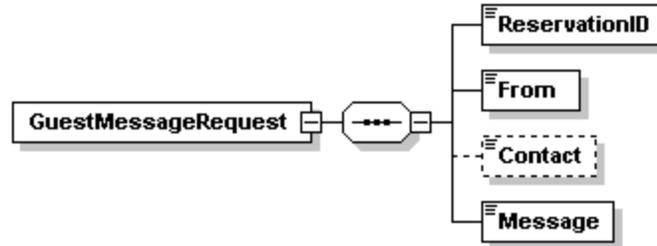
Guest Message

The guest message function is provided in order to send a message to a guest. This is typically provided by the Accommodation Reservation System and may generate a guest notification, such as turning on the message light in the guest’s room.

Port	ReservationProviderPortType
-------------	-----------------------------

Binding	ReservationProviderBinding
Operation	GuestMessage
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestMessage
Input	GuestMessageRequest
Output	GuestMessageResponse
Primary Schema	Reservation.xsd
Role(s) Implemented	Accommodation Reservation System

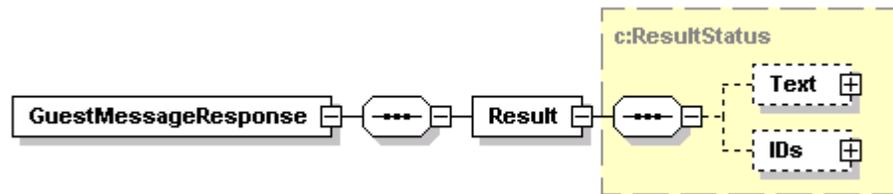
GuestMessageRequest



GuestMessageRequest
<pre> <xs:element name="GuestMessageRequest"> <xs:complexType> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element name="From" type="xs:string" /> <xs:element minOccurs="0" name="Contact" type="xs:string" /> <xs:element name="Message"> <xs:complexType> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="notify" type="xs:boolean" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType> </xs:element> </xs:sequence> </pre>

<code></xs:complexType></code>				
<code></xs:element></code>				
Name	Type	Data Type	Use	Comments
ReservationID	element	UniqueID	required	The reservation ID in the receiving system.
From	element	string	required	Identifies who the message is from.
Contact	element	string	optional	Identifies a contact to respond to.
Message	element	complex	required	The message text and includes a flag to indicate whether a notification should be sent to the guest (for example, to turn on the message light in the guest's room).

GuestMessageResponse



GuestMessageResponse				
<pre> <xs:element name="GuestMessageResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result from the operation.

Sample Message

[Request]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestMessage</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:SPASOFT</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:dc7b1331-9a8b-4fac-af05-8769dd4c8647</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.micros.com/HTNGActivity/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-879a2d3a-aac3-4d47-9143-f63507e7fedb">
        <wsu:Created>2007-01-05T16:19:03Z</wsu:Created>
        <wsu:Expires>2007-01-05T16:24:03Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-ad5a7c5b-
dc6e-4526-9e46-d98d4e7980f3">
        <wsse:Username>HTNG</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">HTNG</wsse:Password>
        <wsse:Nonce>7QlxcSWRwFhg4IjYIWcpHg==</wsse:Nonce>
        <wsu:Created>2007-01-05T16:19:03Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <GuestMessageRequest xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <ReservationID source="OPERA">962887</ReservationID>
      <From>Tranquility Spa, Palm Springs, CA</From>
      <Contact>Tripp, Debbie</Contact>
      <Message notify="true">Dear Ms. Tripp, Thank you for visiting our Spa! We hope to see you again soon!</Message>
    </GuestMessageRequest>
  </soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestMessageResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:029efdba-e51e-4c44-82e0-96195e0ca942</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:dc7b1331-9a8b-4fac-af05-8769dd4c8647</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-c00eea4b-e3dc-4b4f-b21c-8754593fa33e">
        <wsu:Created>2007-01-05T16:21:47Z</wsu:Created>
        <wsu:Expires>2007-01-05T16:26:47Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <GuestMessageResponse xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types">
      <r:Result resultStatusFlag="SUCCESS"/>
    </GuestMessageResponse>
  </soap:Body>
</soap:Envelope>

```

Reservation Sync Port Type

The reservation sync port is provided to allow Accommodation Reservation System to notify of a change in the status of a guest. For instance, the Activity Reservation System may desire to know when a guest has checked in or checked out. There is only one function defined:

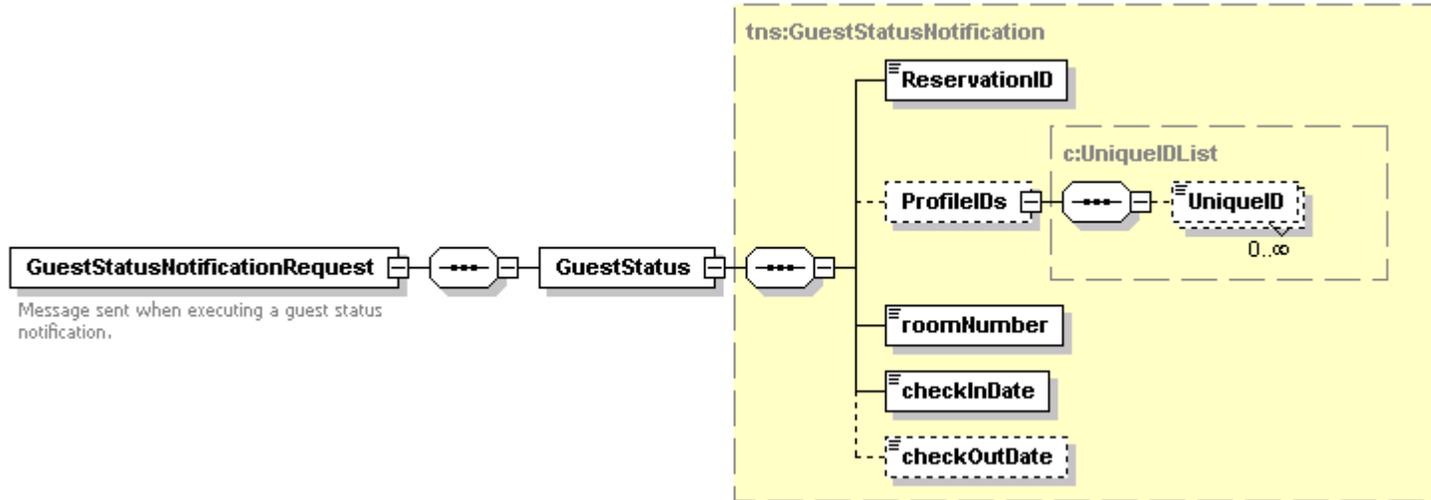
- GuestStatusNotification
 - This message may be send by the Accommodation Reservation System to notify various changes in a guest’s status.

Guest Status Notification

The guest status notification message is generated by the Accommodation Reservation System to notify the Activity Reservation System of a change in the status of a guest. Status changes such as Checked In or Checked Out may be sent.

Port	ReservationSyncPortType
Binding	ReservationSyncBinding
Operation	GuestStatusNotification
Soap Action	http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestStatusNotification
Input	GuestStatusNotificationRequest
Output	GuestStatusNotificationResponse
Primary Schema	Reservation.xsd
Role(s) Implemented	Activity Reservation System

GuestStatusNotificationRequest

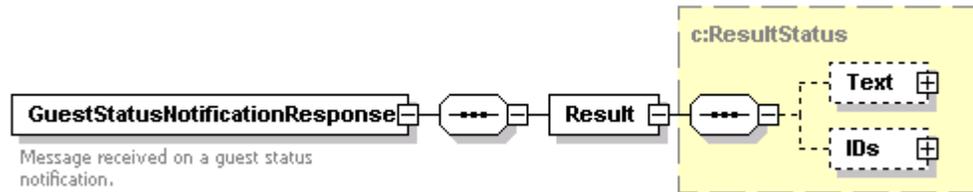


GuestStatusNotificationRequest				
<pre><xs:element name="GuestStatusNotificationRequest"> <xs:annotation> <xs:documentation>Message sent when executing a guest status notification.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="GuestStatus" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types" type="q1:GuestStatusNotification" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
GuestStatus	element	GuestStatusNotification	required	The guest status record.

GuestStatusNotification

GuestStatusNotification				
<pre><xs:complexType name="GuestStatusNotification"> <xs:sequence> <xs:element name="ReservationID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> <xs:element minOccurs="0" name="ProfileIDs" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueIDList" /> <xs:element name="roomNumber" type="xs:string" /> <xs:element name="checkInDate" type="xs:dateTime" /> <xs:element minOccurs="0" name="checkOutDate" type="xs:dateTime" /> </xs:sequence> <xs:attribute name="reservationStatus" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:ReservationStatusType" use="required" /> <xs:attribute name="otherReservationStatus" type="xs:string" use="optional" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
reservationStatus	attribute	ReservationStatusType	required	The reservation status
otherReservationStatus	attribute	string	optional	Not used.
ReservationID	element	UniqueID	required	The reservation ID as defined by the requesting system.
ProfileIDs	element	UniqueIDList	optional	The primary guest profile ID.
roomNumber	element	string	required	The guest's room number.
checkInDate	element	dateTime	required	The arrival date.
checkOutDate	element	dateTime	optional	The departure date.

GuestStatusNotificationResponse



GuestStatusNotificationResponse
<pre><xs:element name="GuestStatusNotificationResponse"> <xs:annotation></pre>

<pre><xs:documentation>Message received on a guest status notification.</xs:documentation> </xs:annotation> <xs:complexType> <xs:sequence> <xs:element name="Result" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:ResultStatus" /> </xs:sequence> </xs:complexType> </xs:element></pre>				
Name	Type	Data Type	Use	Comments
Result	element	ResultStatus	required	The result from the operation.

Sample Message

[Request]

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestStatusNotification</wsa:Action>
    <wsa:From>
      <wsa:Address>urn:OPERA</wsa:Address>
    </wsa:From>
    <wsa:MessageID>urn:uuid:39535817-b579-427d-9e19-fb97c2ee51cb</wsa:MessageID>
    <wsa:ReplyTo>
      <wsa:Address>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:Address>
    </wsa:ReplyTo>
    <wsa:To>http://www.springermiller.com/HTNG_2_0/</wsa:To>
    <wsse:Security soap:mustUnderstand="1">
      <wsu:Timestamp wsu:Id="Timestamp-959e874e-9adb-438a-aa6d-27d7616b11a1">
        <wsu:Created>2007-02-06T15:31:11Z</wsu:Created>
        <wsu:Expires>2007-02-06T15:36:11Z</wsu:Expires>
      </wsu:Timestamp>
      <wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd" wsu:Id="SecurityToken-3e469327-
ccf2-4dbf-a7c2-84fdbcb1d2ea">
        <wsse:Username>OPERA</wsse:Username>
        <wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-username-token-profile-1.0#PasswordText">OPERA</wsse:Password>
        <wsse:Nonce>vbBf4EUhxiEJkxIPkZHedg==</wsse:Nonce>
        <wsu:Created>2007-02-06T15:31:11Z</wsu:Created>
      </wsse:UsernameToken>
    </wsse:Security>
  </soap:Header>
```

```

<soap:Body>
  <GuestStatusNotificationRequest xmlns:r="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
  xmlns:n="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types"
  xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" xmlns:p="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/PaymentPosting/Types"
  xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types">
    <r:GuestStatus reservationStatus="RESERVED">
      <r:ReservationID source="OPERA">1003385</r:ReservationID>
      <r:ProfileIDs>
        <c:UniqueID source="OPERA">5617209</c:UniqueID>
      </r:ProfileIDs>
      <r:checkInDate>2007-02-04T00:00:00</r:checkInDate>
      <r:checkOutDate>2007-02-07T00:00:00</r:checkOutDate>
    </r:GuestStatus>
  </GuestStatusNotificationRequest>
</soap:Body>
</soap:Envelope>

```

[Response]

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema" 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" xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/oasis-200401-wss-wssecurity-utility-1.0.xsd">
  <soap:Header>
    <wsa:Action>http://htng.org/PWSWG/2006/08/SingleGuestItinerary#GuestStatusNotificationResponse</wsa:Action>
    <wsa:MessageID>urn:uuid:54a0d7a6-5a44-4075-aa79-8b3de55b4ae4</wsa:MessageID>
    <wsa:RelatesTo>urn:uuid:39535817-b579-427d-9e19-fb97c2ee51cb</wsa:RelatesTo>
    <wsa:To>http://schemas.xmlsoap.org/ws/2004/08/addressing/role/anonymous</wsa:To>
    <wsse:Security>
      <wsu:Timestamp wsu:Id="Timestamp-883fbd19-c3cf-48fa-8649-302d550cddaa">
        <wsu:Created>2007-02-06T15:32:43Z</wsu:Created>
        <wsu:Expires>2007-02-06T15:37:43Z</wsu:Expires>
      </wsu:Timestamp>
    </wsse:Security>
  </soap:Header>
  <soap:Body>
    <GuestStatusNotificationResponse xmlns="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Reservation/Types"
    xmlns:a="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" xmlns:c="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types">
      <Result code="" resultStatusFlag="SUCCESS">
        <c:Text>
          <c:TextElement language="en"/>
        </c:Text>
      </Result>
    </GuestStatusNotificationResponse>
  </soap:Body>
</soap:Envelope>

```

```
<c:IDs>  
  <c:UniqueID source="OPERA">5617209</c:UniqueID>  
</c:IDs>  
</Result>  
</GuestStatusNotificationResponse>  
</soap:Body>  
</soap:Envelope>
```

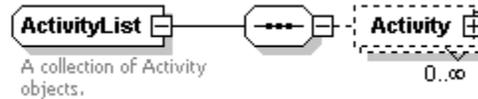
Common Data Elements

The Activity Web Service messages share several common data elements. These are consolidated here for reference.

Activity Schema Elements (Activity.xsd)

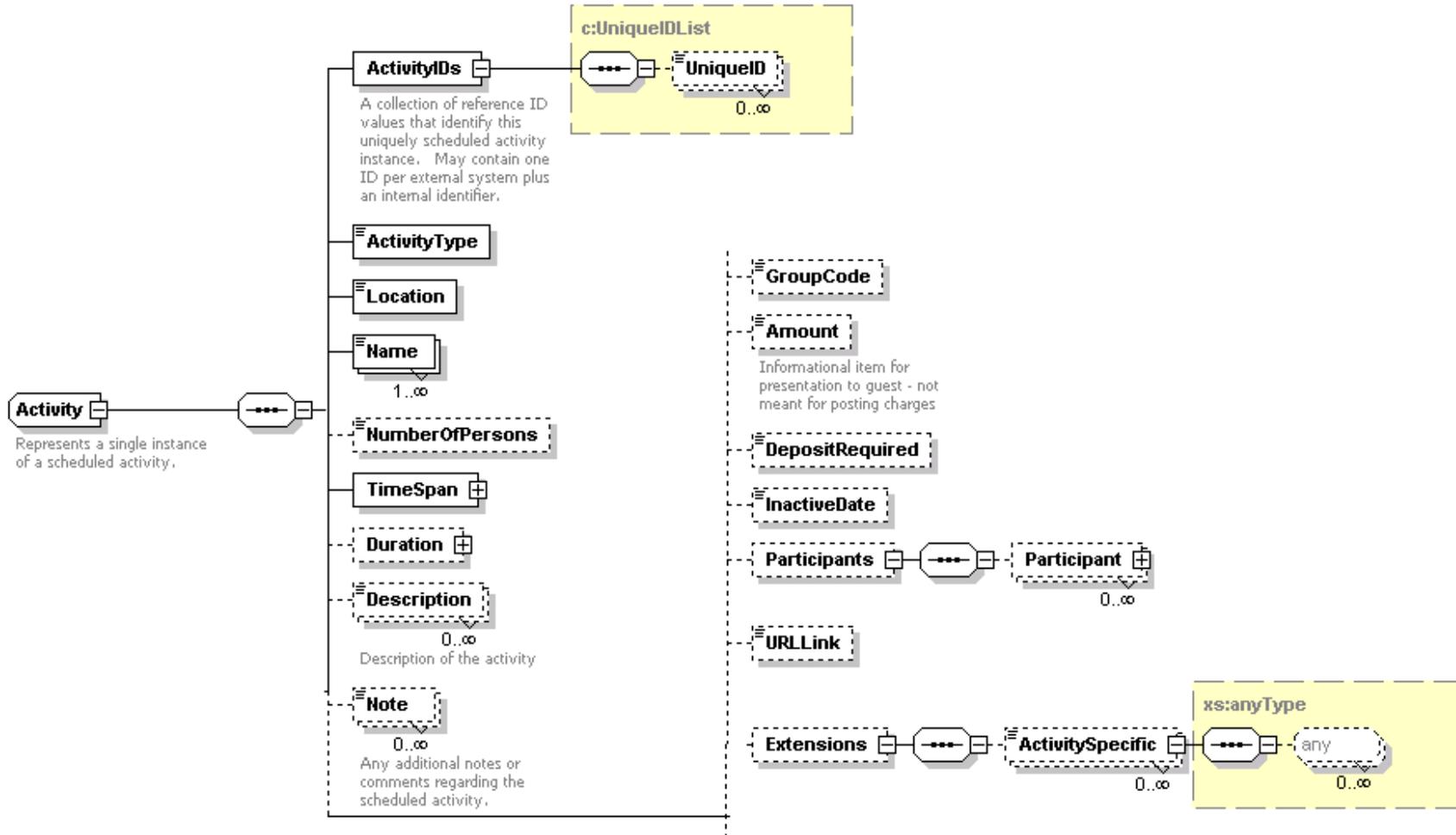
Namespace	http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types
------------------	---

ActivityList



ActivityList				
<pre><xs:complexType name="ActivityList"> <xs:annotation> <xs:documentation xml:lang="en">A collection of Activity objects.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Activity"> <xs:complexType> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" base="q1:Activity" /> </xs:complexContent> </xs:complexType> </xs:element> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Activity	element		optional / multiple	A collection (zero or more) of Activity elements.

Activity



Activity

```

<xs:complexType name="Activity">
  <xs:annotation>
    <xs:documentation xml:lang="en">Represents a single instance of a scheduled activity.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="ActivityIDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList">
      <xs:annotation>
        <xs:documentation xml:lang="en">A collection of reference ID values that identify this uniquely scheduled activity instance. May contain one ID per external system plus an internal identifier.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element name="ActivityType" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q2:ActivityType" />
    <xs:element name="Location" type="xs:string" />
    <xs:element maxOccurs="unbounded" name="Name" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Text" />
    <xs:element minOccurs="0" name="NumberOfPersons" type="xs:int" />
    <xs:element name="TimeSpan" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q4:OGTimeSpan" />
    <xs:element minOccurs="0" name="Duration" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Activity/Types" type="q5:OGTimeSpan" />
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Description" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q6:Text">
      <xs:annotation>
        <xs:documentation>Description of the activity </xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="Note" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q7:Text">
      <xs:annotation>
        <xs:documentation xml:lang="en">Any additional notes or comments regarding the scheduled activity.</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="0" name="GroupCode" type="xs:string" />
    <xs:element minOccurs="0" name="Amount" xmlns:q8="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q8:Amount">
      <xs:annotation>
        <xs:documentation>Informational item for presentation to guest - not meant for posting charges</xs:documentation>
      </xs:annotation>
    </xs:element>
    <xs:element minOccurs="0" name="DepositRequired">
      <xs:complexType>
        <xs:simpleContent>
          <xs:extension xmlns:q9="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q9:Amount">
            <xs:attribute name="collectedBy">
              <xs:simpleType>

```

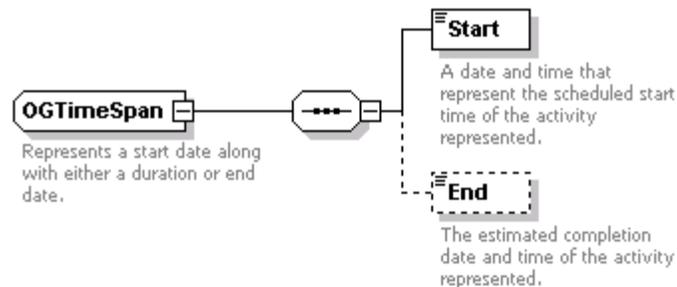
```

        <xs:restriction base="xs:string">
            <xs:enumeration value="Vendor" />
            <xs:enumeration value="Agent" />
            <xs:enumeration value="Other" />
        </xs:restriction>
    </xs:simpleType>
</xs:attribute>
</xs:extension>
</xs:simpleContent>
</xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="InactiveDate" type="xs:dateTime" />
<xs:element minOccurs="0" name="Participants">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="Participant"
                xmlns:q10="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q10:PersonName" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
<xs:element minOccurs="0" name="URLLink" type="xs:string" />
<xs:element minOccurs="0" name="Extensions">
    <xs:complexType>
        <xs:sequence>
            <xs:element minOccurs="0" maxOccurs="unbounded" name="ActivitySpecific" type="xs:anyType" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
</xs:sequence>
<xs:attribute name="status" type="xs:string" use="required" />
</xs:complexType>
    
```

Name	Type	Data Type	Use	Comments
status	attribute	string	required	Activity reservation status. Each system may define its own set of values, but typical examples are RESERVED, BOOKED, CANCELLED, and TENTATIVE.
ActivityIDs	element	UniqueIDList	required	One or more ID's that identify the activity record. The source value indicates the creator/owner of the ID.
ActivityType	element	ActivityType	required	The type of activity. Defined values in the schema include: <i>Golf</i> , <i>Class</i> , <i>Spa</i> , <i>TableReservation</i> , <i>Tour</i> , and <i>Tennis</i> . The schema may be extended to include additional values.
Location	element	string	required	The location for the activity. This is implemented as a location code rather than descriptive text.

Name	element	Text	required / multiple	A short descriptive name for the activity.
NumberOfPersons	element	int	optional	The number of participants scheduled for the activity.
TimeSpan	element	OGTimeSpan	required	The scheduled start time and length of the activity.
Duration	element	OGTimeSpan	optional	The length of an activity
Description	element	Text	optional / multiple	The long description for the activity.
Note	element	Text	optional / multiple	Additional notes about the activity.
GroupCode	element	string	optional	If applicable, the group code for the activity (for example, in an accommodation reservation system, the allotment or block code).
Amount	element	Amount	optional	The amount charged for the activity.
DepositRequired	element	Amount (extension)	optional	The deposit amount collected or required for the activity. This element also includes an identification of the responsible party to collect the deposit as either: <i>Vendor</i> , <i>Agent</i> or <i>Other</i> .
InactiveDate	element	dateTime	optional	The timestamp applicable in case the activity is cancelled or deleted. If set, the activity should be considered removed.
Participants	element	PersonName	optional / multiple	The names of the participants.
URLLink	element	string	optional	The URL link to launch the Activity Reservation System to view or edit full details of this activity.
Extensions	element		optional	Vendor extensions to the activity record.

OGTimeSpan

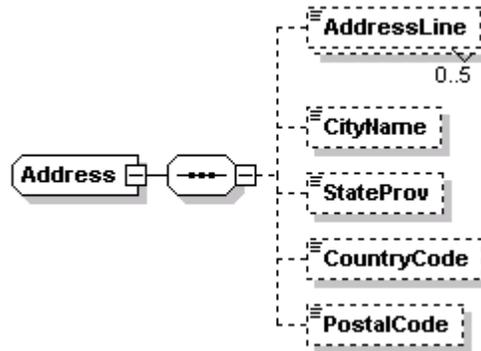


OGTimeSpan				
<pre> <xs:complexType name="OGTimeSpan"> <xs:annotation> <xs:documentation xml:lang="en">Represents a start date along with either a duration or end date.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="Start" type="xs:dateTime"> <xs:annotation> <xs:documentation xml:lang="en">A date and time that represent the scheduled start time of the activity represented.</xs:documentation> </xs:annotation> </xs:element> <xs:element minOccurs="0" name="End" type="xs:dateTime"> <xs:annotation> <xs:documentation xml:lang="en">The estimated completion date and time of the activity represented.</xs:documentation> </xs:annotation> </xs:element> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
Start	element	dateTime	required	The start date and time.
End	element	dateTime	optional	The optional completion date and time.

Common Schema Elements (Common.xsd)

Namespace	http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types
------------------	---

Address



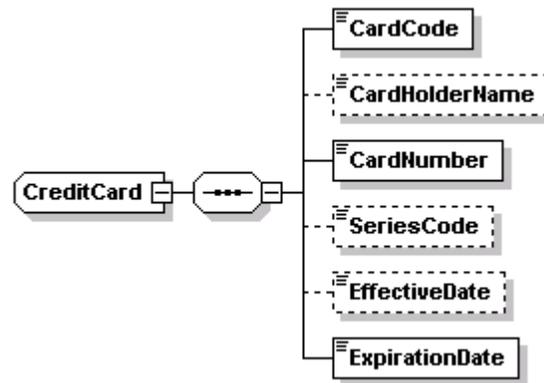
Address				
<pre> <xs:complexType name="Address"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="5" name="AddressLine" type="xs:string" /> <xs:element minOccurs="0" name="CityName" type="xs:string" /> <xs:element minOccurs="0" name="StateProv" type="xs:string" /> <xs:element minOccurs="0" name="CountryCode" type="xs:string" /> <xs:element minOccurs="0" name="PostalCode" type="xs:string" /> </xs:sequence> <xs:attribute name="addressType" type="xs:string" /> <xs:attribute name="otherAddressType" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
addressType	attribute	string	none	Type of address. Typical values are HOME or BUSINESS, but any internally defined value may be used.
otherAddressType	attribute	string	none	Not currently used.
AddressLine	element	string	optional /	Up to five address lines may be specified.

			multiple	
CityName	element	string	optional	City.
StateProv	element	string	optional	State.
CountryCode	element	string	optional	Country.
PostalCode	element	string	optional	Postal code.

Amount

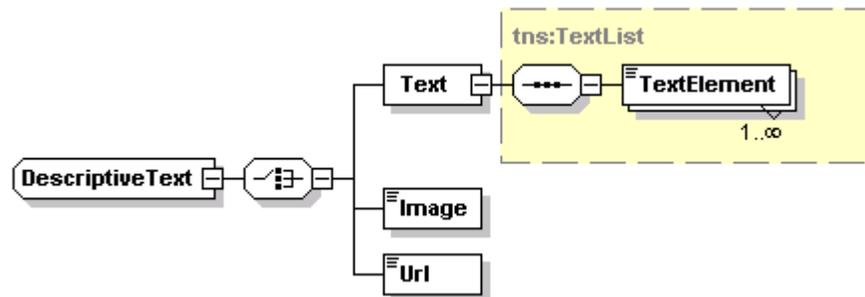
Amount				
<pre><xs:complexType name="Amount"> <xs:simpleContent> <xs:extension base="xs:double"> <xs:attribute name="currencyCode" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Amount	extension	double		The denominational amount.
currencyCode	attribute	string	none	The currency code the amount is expressed in.

Credit Card



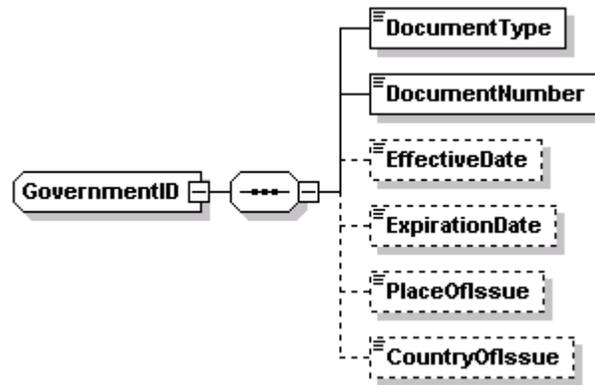
CreditCard				
<pre> <xs:complexType name="CreditCard"> <xs:sequence> <xs:element name="CardCode" type="xs:string" /> <xs:element minOccurs="0" name="CardHolderName" type="xs:string" /> <xs:element name="CardNumber" type="xs:string" /> <xs:element minOccurs="0" name="SeriesCode" type="xs:string" /> <xs:element minOccurs="0" name="EffectiveDate" type="xs:date" /> <xs:element name="ExpirationDate" type="xs:date" /> </xs:sequence> <xs:attribute name="cardType" type="xs:string" /> <xs:attribute name="otherCardType" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
cardType	attribute	string	none	Credit card type.
otherCardType	attribute	string	none	Not used.
CardCode	element	string	required	Credit card code.
CardHolderName	element	string	optional	Card holder name.
CardNumber	element	string	required	Credit card number.
SeriesCode	element	string	optional	Not used.
EffectiveDate	element	date	optional	Effective date.
ExpirationDate	element	date	required	Expiration date.

Descriptive Text



DescriptiveText				
<pre><xs:complexType name="DescriptiveText"> <xs:choice> <xs:element name="Text" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:TextList" /> <xs:element name="Image" type="xs:string" /> <xs:element name="Url" type="xs:anyURI" /> </xs:choice> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Text	element	TextList	required	Collection of Text elements (Choice)
Image	element	string	required	Image value (Choice).
Url	element	anyURI	required	URL (Choice).

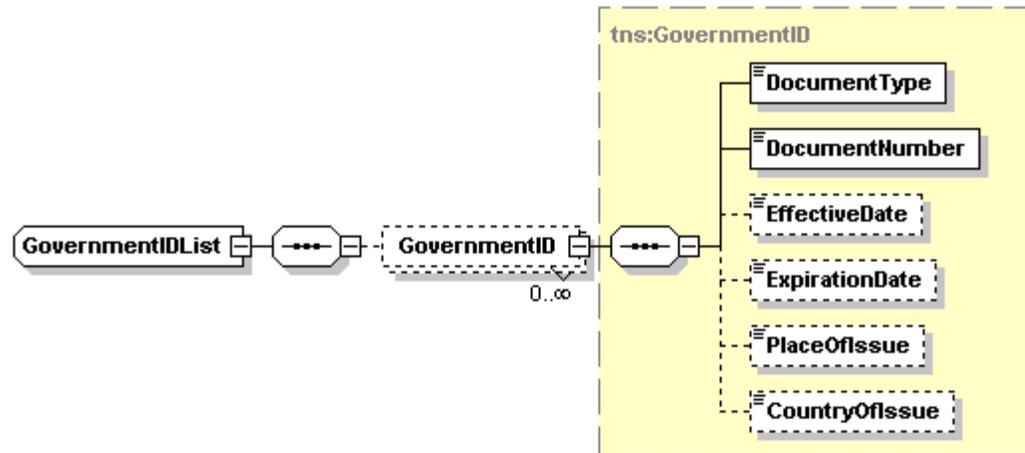
GovernmentID



GovernmentID
<pre><xs:complexType name="GovernmentID"> <xs:sequence> <xs:element name="DocumentType" type="xs:string" /> <xs:element name="DocumentNumber" type="xs:string" /> <xs:element minOccurs="0" name="EffectiveDate" type="xs:date" /> <xs:element minOccurs="0" name="ExpirationDate" type="xs:date" /> <xs:element minOccurs="0" name="PlaceOfIssue" type="xs:string" /> <xs:element minOccurs="0" name="CountryOfIssue" type="xs:string" /> </xs:sequence> </xs:complexType></pre>

<code></xs:sequence></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comments
DocumentType	element	string	required	The type of document (e.g. PASSPORT).
DocumentNumber	element	string	required	The document number.
EffectiveDate	element	date	optional	The effective date of the document.
ExpirationDate	element	date	optional	The expiration date of the document.
PlaceOfIssue	element	string	optional	The place of issue.
CountryOfIssue	element	string	optional	The country of issue.

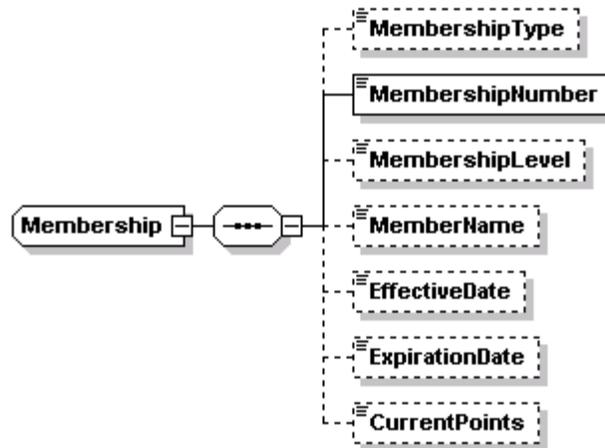
GovernmentIDList



GovernmentIDList
<pre> <xs:complexType name="GovernmentIDList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="GovernmentID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:GovernmentID" /> </xs:sequence> </xs:complexType> </pre>

Name	Type	Data Type	Use	Comments
GovernmentID	element	GovernmentID	optional / multiple	A collection of government ID records.

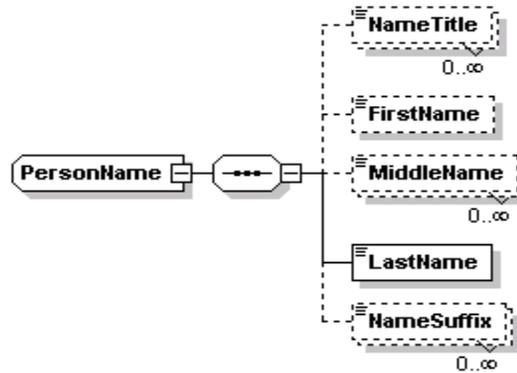
Membership



Membership
<pre> <xs:complexType name="Membership"> <xs:sequence> <xs:element minOccurs="0" name="MembershipType" type="xs:string" /> <xs:element name="MembershipNumber" type="xs:string" /> <xs:element minOccurs="0" name="MembershipLevel" type="xs:string" /> <xs:element minOccurs="0" name="MemberName" type="xs:string" /> <xs:element minOccurs="0" name="EffectiveDate" type="xs:date" /> <xs:element minOccurs="0" name="ExpirationDate" type="xs:date" /> <xs:element minOccurs="0" name="CurrentPoints" type="xs:long" /> </pre>

<code></xs:sequence></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comments
MembershipType	element	string	optional	Membership type.
MembershipNumber	element	string	required	Membership number.
MembershipLevel	element	string	optional	Membership level (e.g. GOLD, PLATINUM).
MemberName	element	string	optional	Member name.
EffectiveDate	element	date	optional	Membership effective date (or start date).
ExpirationDate	element	date	optional	Membership expiration date.
CurrentPoints	element	long	optional	Membership point accumulated.

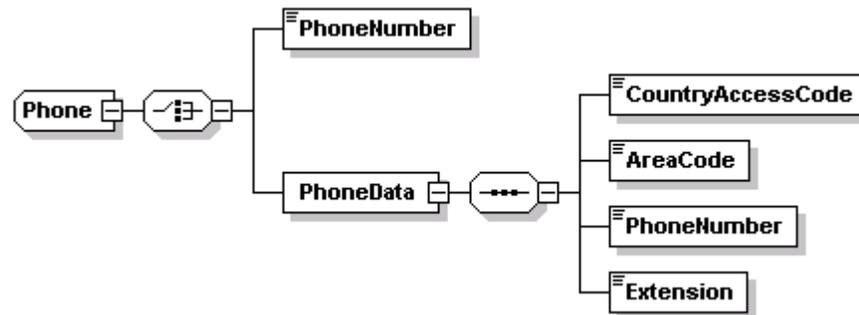
PersonName



PersonName
<pre> <xs:complexType name="PersonName"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameTitle" type="xs:string" /> <xs:element minOccurs="0" name="FirstName" type="xs:string" /> <xs:element minOccurs="0" maxOccurs="unbounded" name="MiddleName" type="xs:string" /> <xs:element name="LastName" type="xs:string" /> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameSuffix" type="xs:string" /> </xs:sequence> </pre>

<pre><xs:attribute name="nameOrdered" type="xs:string" /> <xs:attribute name="familiarName" type="xs:string" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
nameOrdered	attribute	string	none	Not used.
familiarName	attribute	string	none	Familiar name.
NameTitle	element	string	optional / multiple	Name title (e.g. Mr., Mrs., Dr.)
FirstName	element	string	optional	First name.
MiddleName	element	string	optional / multiple	Middle name.
LastName	element	string	required	Last name.
NameSuffix	element	string	optional / multiple	Name suffix (e.g. Jr., III, Esq.)

Phone



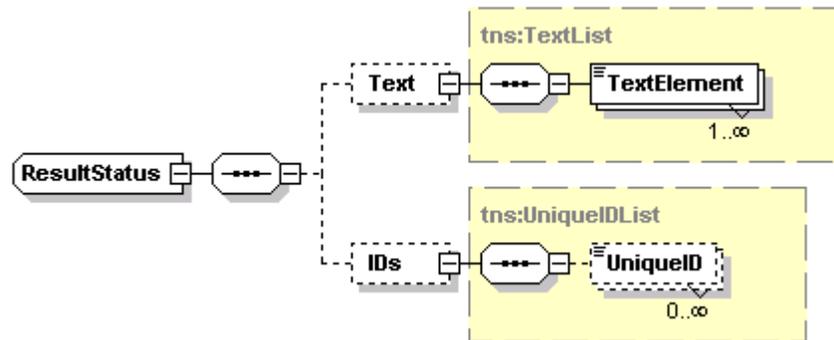
<pre> Phone <xs:complexType name="Phone"> <xs:choice> <xs:element name="PhoneNumber" type="xs:string" /> <xs:element name="PhoneData"> <xs:complexType> <xs:sequence> </pre>

<pre> <xs:element name="CountryAccessCode" type="xs:string" /> <xs:element name="AreaCode" type="xs:string" /> <xs:element name="PhoneNumber" type="xs:string" /> <xs:element name="Extension" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element> </xs:choice> <xs:attribute name="phoneType" type="xs:string" /> <xs:attribute name="phoneRole" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
phoneType	attribute	string	none	Type of phone record. Typical values are HOME or BUSINESS.
phoneRole	attribute	string	none	Phone role. Typical values are PHONE, EMAIL, FAX, WEBPAGE.
PhoneNumber	element	string	required	Phone number, email address, web address or other value appropriate to the phone role attribute.
PhoneData	element	PhoneData	required	The phone number may be specified as either a string above, or as individual components as described in the element below

PhoneData

<pre> <xs:element name="PhoneData"> <xs:complexType> <xs:sequence> <xs:element name="CountryAccessCode" type="xs:string" /> <xs:element name="AreaCode" type="xs:string" /> <xs:element name="PhoneNumber" type="xs:string" /> <xs:element name="Extension" type="xs:string" /> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comments
CountryAccessCode	element	string	required	Country access code.
AreaCode	element	string	required	Area code.
PhoneNumber	element	string	required	Phone number.
PhoneData	element	Extension	required	Phone extension.

ResultStatus

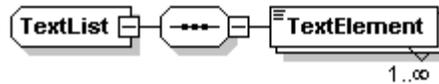


ResultStatus				
<pre><xs:complexType name="ResultStatus"> <xs:sequence> <xs:element minOccurs="0" name="Text" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:TextList" /> <xs:element minOccurs="0" name="IDs" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueIDList" /> </xs:sequence> <xs:attribute name="resultStatusFlag" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:ResultStatusFlag" /> <xs:attribute name="code" type="xs:string" use="optional" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
resultStatusFlag	attribute	ResultStatusFlag	none	
code	attribute	string	optional	
Text	element	TextList	optional	
IDs	element	UniqueIDList	optional	

Text

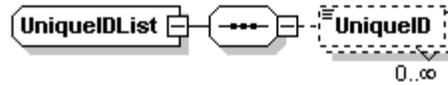
Text				
<pre><xs:complexType name="Text"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="language" type="xs:language" use="optional" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Text	extension	string	optional	Text string.
language	attribute	language	optional	Language code for Text value.

TextList



TextList				
<pre><xs:complexType name="TextList"> <xs:sequence> <xs:element maxOccurs="unbounded" name="TextElement" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:Text" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
TextElement	element	Text	required / multiple	

UniqueIDList

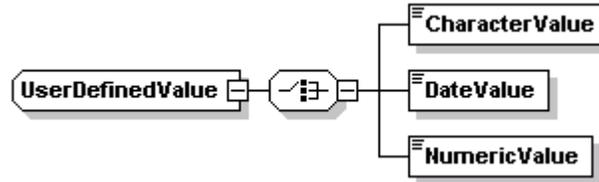


UniqueIDList				
<pre> <xs:complexType name="UniqueIDList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="UniqueID" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueID" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
UniqueID	element	UniqueID	optional / multiple	A list of ID values (see below). Records are often identified by a pair of ID's where the source attribute identifies who each ID belongs to.

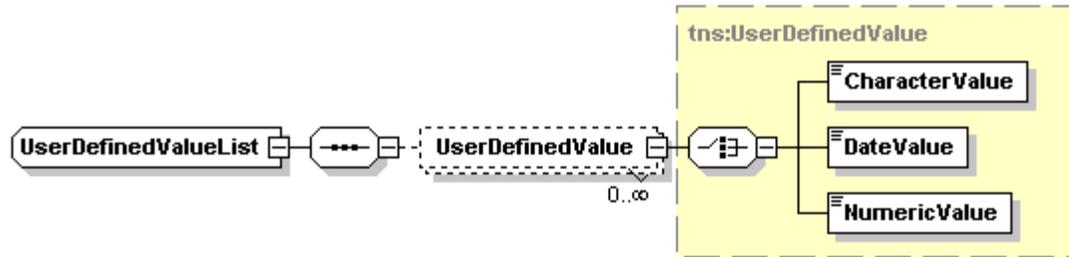
UniqueID

UniqueID				
<pre> <xs:complexType name="UniqueID"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="source" type="xs:string" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
UniqueID	extension	string		The ID value
source	attribute	string	none	The source for the ID. This value identifies the creator/owner of the ID.

UserDefinedValue



UserDefinedValueList



Simple Types

RecordAdministratorAttributes	Attribute Group	insertUser	Internal user code representing the record creator.
		insertDate	Timestamp record was originally created.
		updateUser	Internal user code representing the user who last updated the record
		updateDate	Timestamp when the record was last updated.
		inactiveDate	Timestamp when the record was inactivated. When null, the record is considered active. When set, the record can be treated as though deleted.

BlackListFlag	Simple Type	REMOVE SET	Enumeration of blacklist values.
Gender	Simple Type	FEMALE MALE UNKNOWN	Enumeration for gender.
ReservationStatusType	Simple Type	CANCELLED CHECKED_IN CHECKED_OUT RESERVED WAITLISTED OTHER REVERSE_CHECKED_IN REVERSE_CHECKED_OUT	Enumeration for reservation statuses.
ResultStatusFlag	Simple Type	FAIL SUCCESS	Enumeration for status results.
SubscriptionAction	Simple Type	OTHER SUBSCRIBE UNSUBSCRIBE	Enumeration of subscription actions to perform.

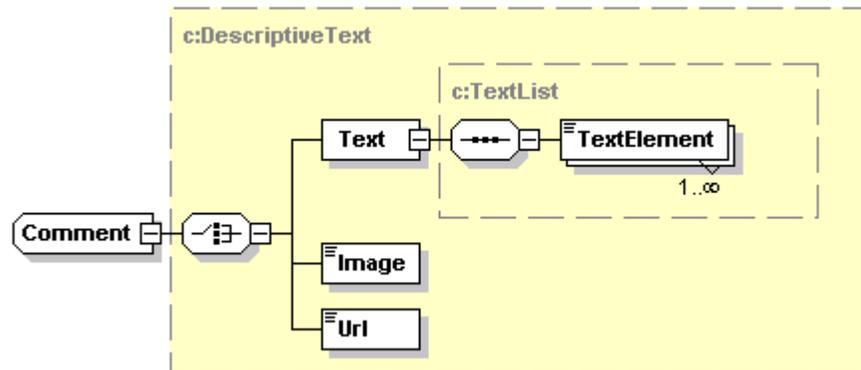
Name Schema Elements (name.xsd)

Namespace	http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types
------------------	---

BlackList

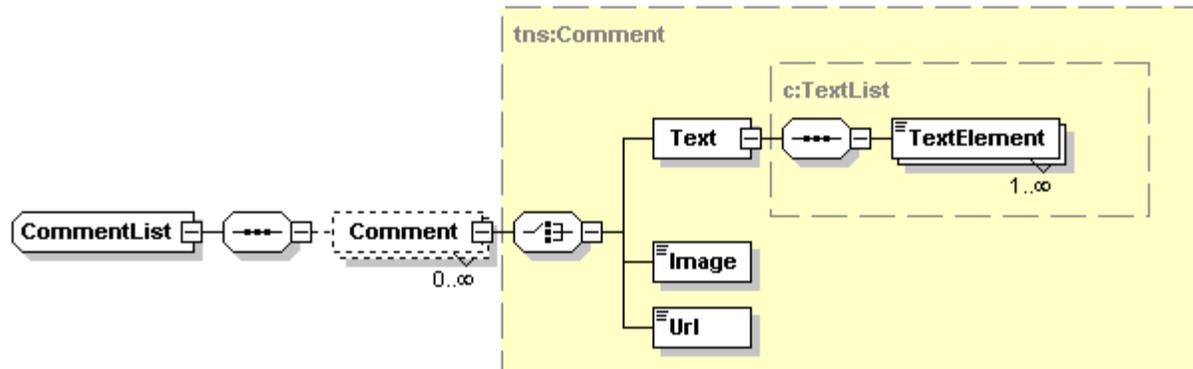
BlackList				
<pre><xs:complexType name="BlackList"> <xs:simpleContent> <xs:extension base="xs:string"> <xs:attribute name="flag" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:BlackListFlag" /> </xs:extension> </xs:simpleContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
BlackList	extension	string		Blacklist flag.
flag	attribute	BlackListFlag	none	One of <i>REMOVE</i> or <i>SET</i> indicating whether the blacklist flag should be set or not.

Comment



Comment				
<pre><xs:complexType name="Comment"> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q1:DescriptiveText"> <xs:attribute name="commentType" type="xs:string" /> <xs:attributeGroup ref="q1:RecordAdministratorAttributes" /> </xs:extension> </xs:complexContent> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Comment	extension	DescriptiveText		Extension of DescriptiveText
commentType	attribute	string	none	Type of comment.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.

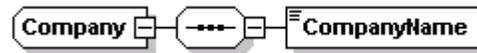
CommentList



CommentList
<pre><xs:complexType name="CommentList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Comment" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:Comment" /> </xs:sequence> </xs:complexType></pre>

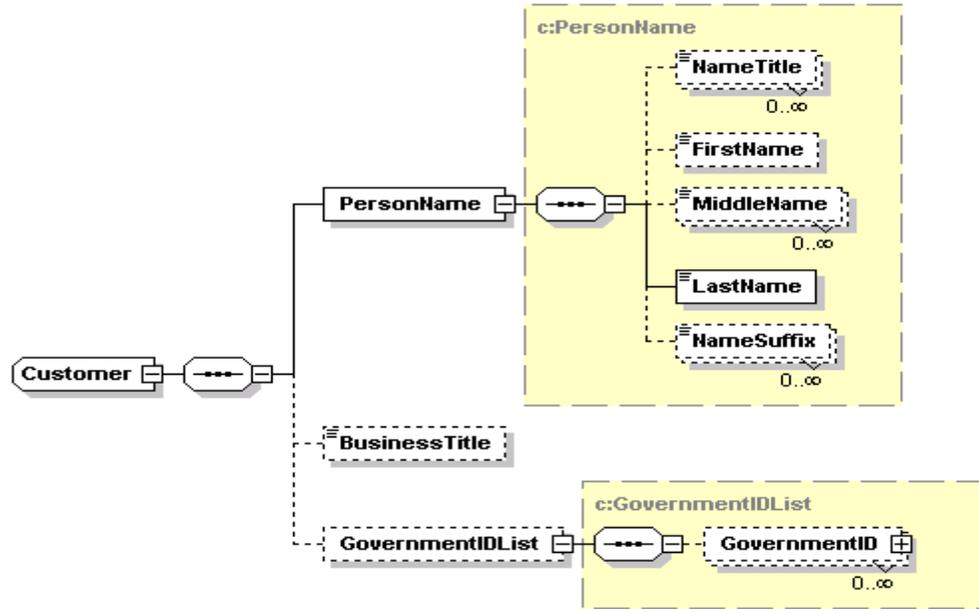
Name	Type	Data Type	Use	Comments
Comment	element	Comment	optional / multiple	A collection of Comment elements.

Company



Company				
<pre> <xs:complexType name="Company"> <xs:sequence> <xs:element name="CompanyName" type="xs:string" /> </xs:sequence> <xs:attribute name="commissionCode" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
commissionCode	attribute	string	none	Not used.
CompanyName	element	string	required	Company name.

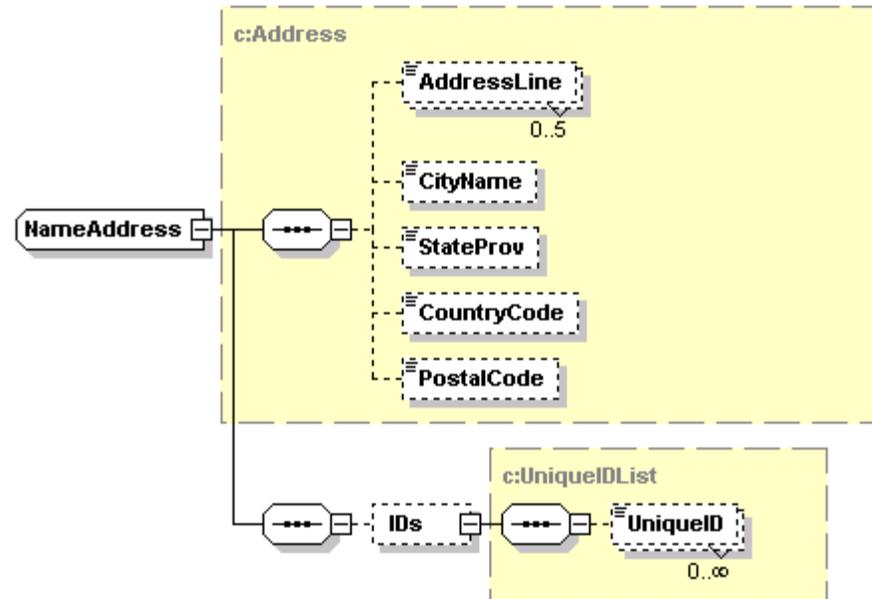
Customer



Customer				
<pre> <xs:complexType name="Customer"> <xs:sequence> <xs:element name="PersonName" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:PersonName" /> <xs:element minOccurs="0" name="BusinessTitle" type="xs:string" /> <xs:element minOccurs="0" name="GovernmentIDList" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:GovernmentIDList" /> </xs:sequence> <xs:attribute name="gender" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q3:Gender" /> <xs:attribute name="birthDate" type="xs:date" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
gender	attribute	Gender	none	The guest's gender.
birthDate	attribute	date	none	The guest's birth date.
PersonName	element	PersonName	required	The guest name record.

BusinessTitle	element	string	optional	The guest's title.
GovernmentIDList	element	GovernmentIDList	optional	A collection of government ID's.

NameAddress



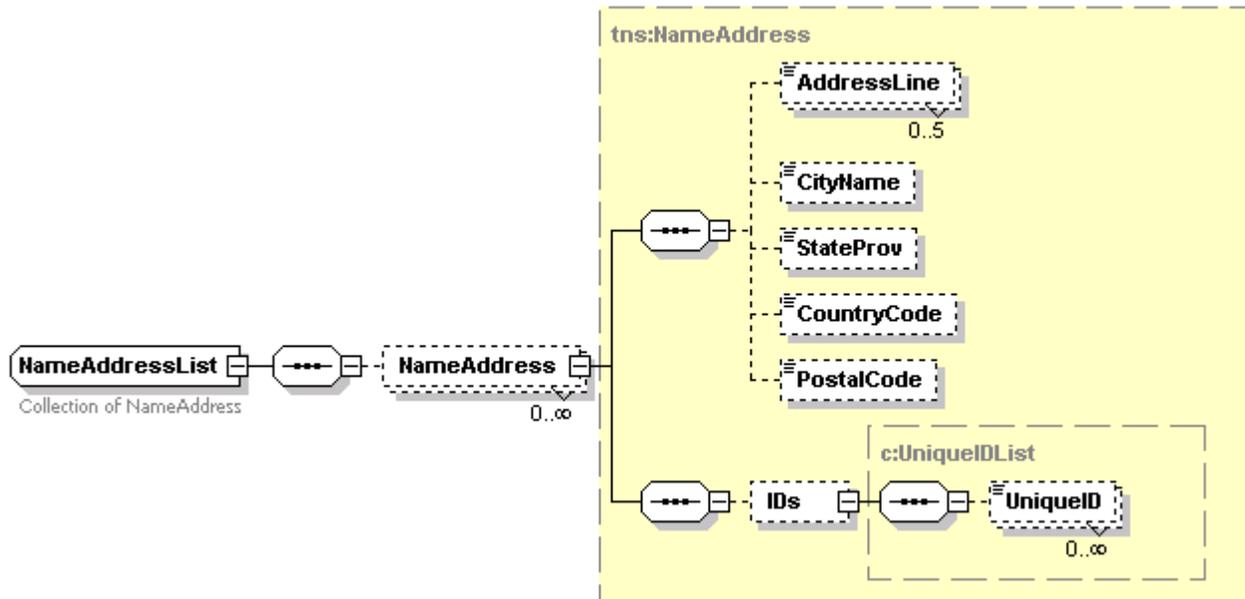
<p>NameAddress</p> <pre> <xs:complexType name="NameAddress"> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q1:Address"> <xs:sequence> <xs:element minOccurs="0" name="IDs" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="primary" type="xs:boolean" /> </xs:extension> </xs:complexContent> </xs:complexType> </pre>

```

<xs:attribute name="displaySequence" type="xs:int" />
<xs:attributeGroup ref="q1:RecordAdministratorAttributes" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
    
```

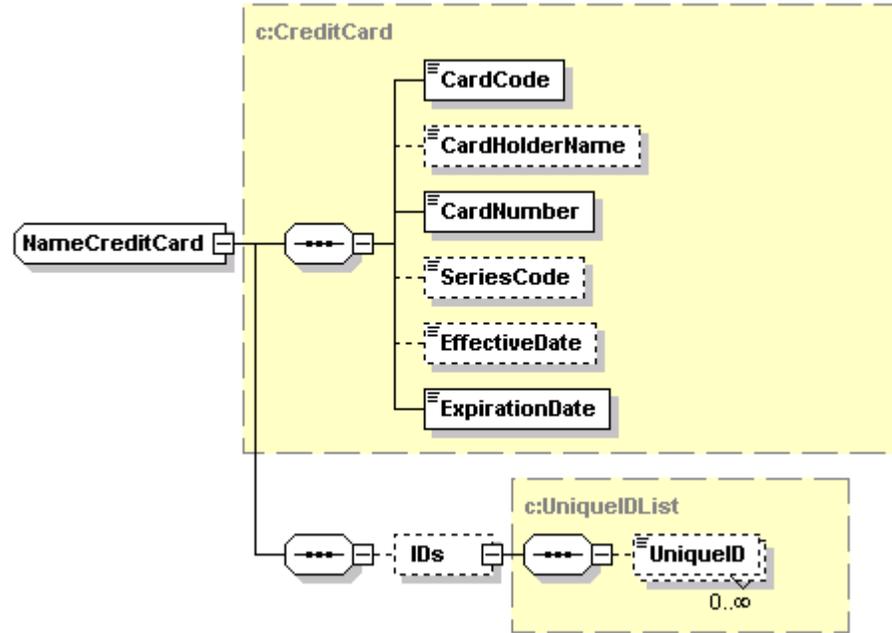
Name	Type	Data Type	Use	Comments
NameAddress	extension	Address		Extension of Address element type.
primary	attribute	boolean	none	Flag to indicate primary address.
displaySequence	attribute	int	none	Display sequence.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.
IDs	element	UniqueIDList	optional	Internal ID values.

NameAddressList



NameAddressList				
<pre> <xs:complexType name="NameAddressList"> <xs:annotation> <xs:documentation>Collection of NameAddress</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameAddress" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:NameAddress" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
NameAddress	element	NameAddress	optional / multiple	A collection of NameAddress records.

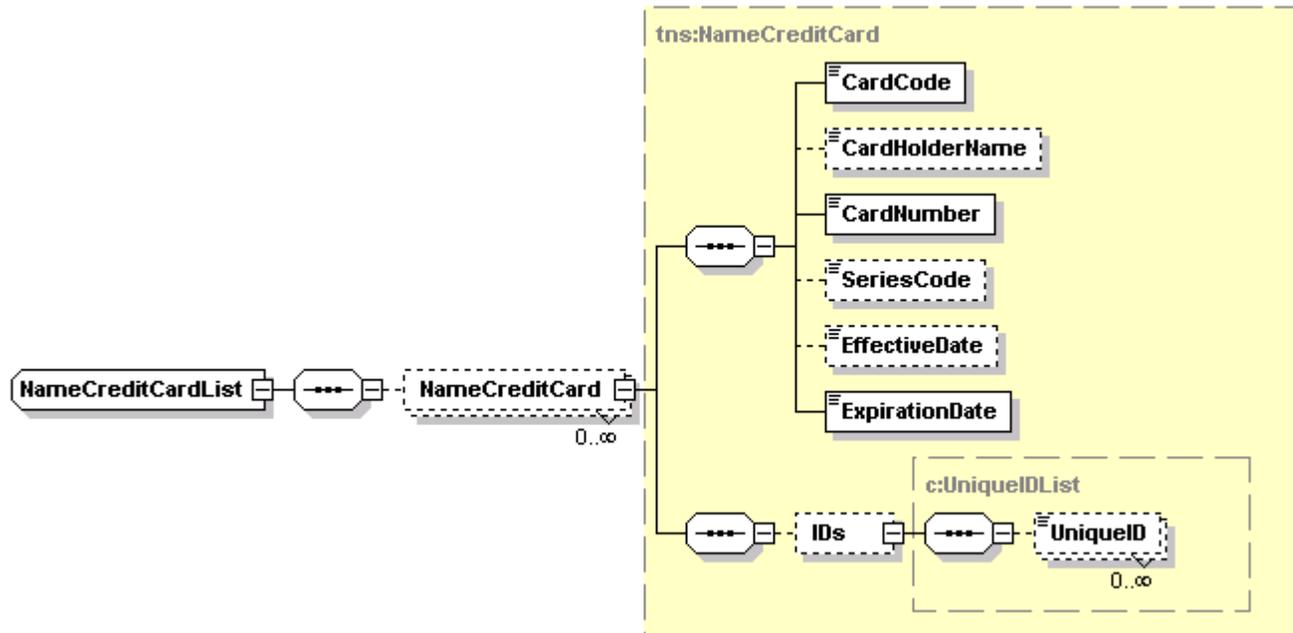
NameCreditCard



Name	Type	Data Type	Use	Comments
NameCreditCard <xs:complexType name="NameCreditCard"> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q1:CreditCard"> <xs:sequence> <xs:element minOccurs="0" name="IDs" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="primary" type="xs:boolean" /> <xs:attribute name="displaySequence" type="xs:int" /> <xs:attributeGroup ref="q1:RecordAdministratorAttributes" /> </xs:extension> </xs:complexContent> </xs:complexType>				

NameCreditCard	extension	CreditCard		Extension of CreditCard element.
primary	attribute	boolean	none	Flag to indicate primary credit card.
displaySequence	attribute	int	none	Display order.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.
IDs	element	UniqueIDList	optional	Internal ID's.

NameCreditCardList



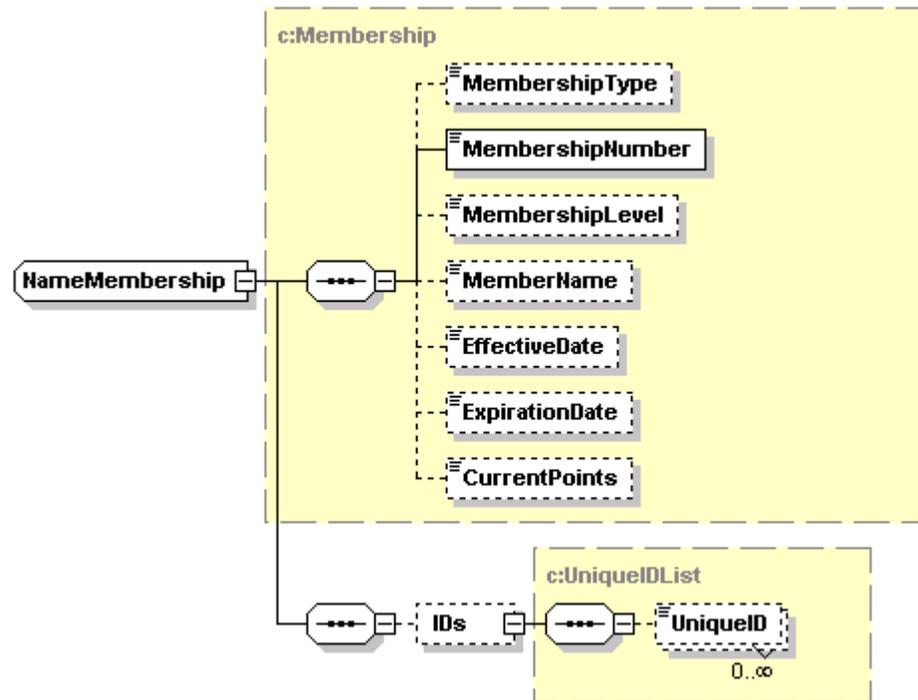
```

NameCreditCardList
<xs:complexType name="NameCreditCardList">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="NameCreditCard"

```

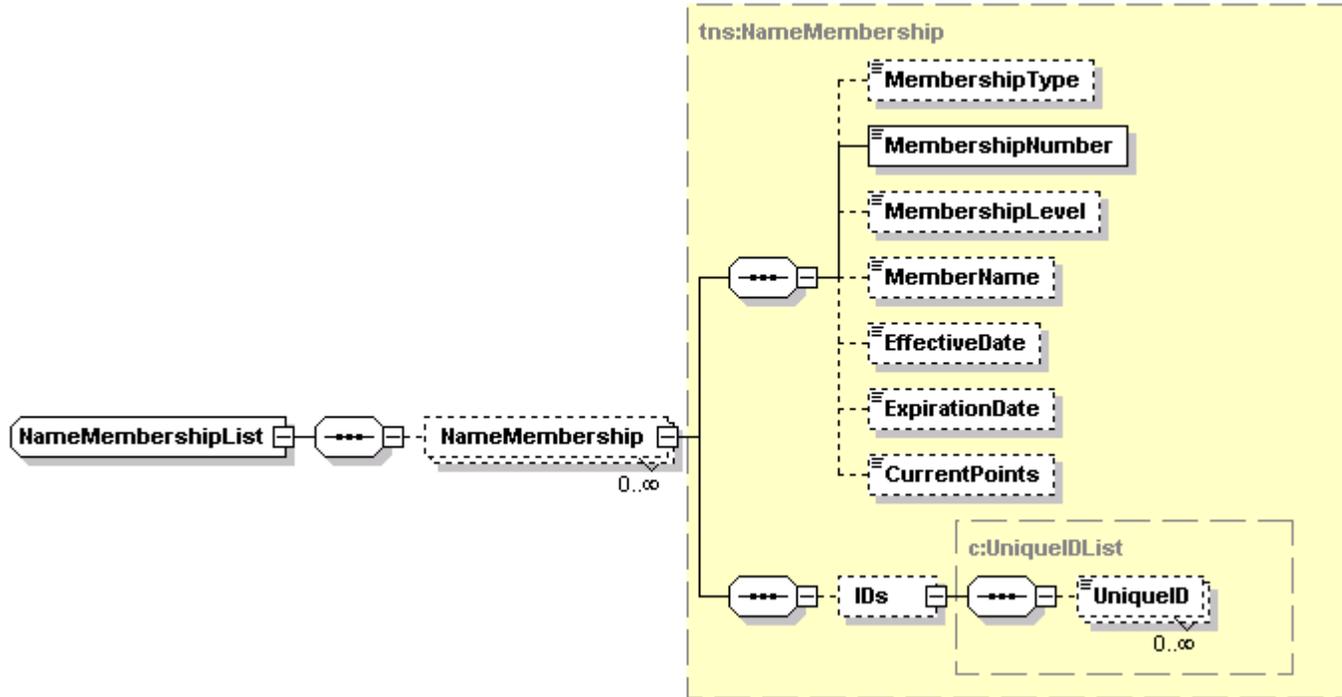
xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:NameCreditCard" /> </xs:sequence> </xs:complexType>				
Name	Type	Data Type	Use	Comments
NameCreditCard	element	NameCreditCard	optional / multiple	A collection of credit card elements.

NameMembership



NameMembership				
<pre> <xs:complexType name="NameMembership"> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q1:Membership"> <xs:sequence> <xs:element minOccurs="0" name="IDs" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="primary" type="xs:boolean" /> <xs:attribute name="displaySequence" type="xs:int" /> <xs:attributeGroup ref="q1:RecordAdministratorAttributes" /> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
NameMembership	extension	Membership		Extension of Membership element.
primary	attribute	boolean	none	Flag to indicate primary membership.
displaySequence	attribute	int	none	Display sequence.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.
IDs	element	UniqueIDList	optional	Internal record ID's.

NameMembershipList

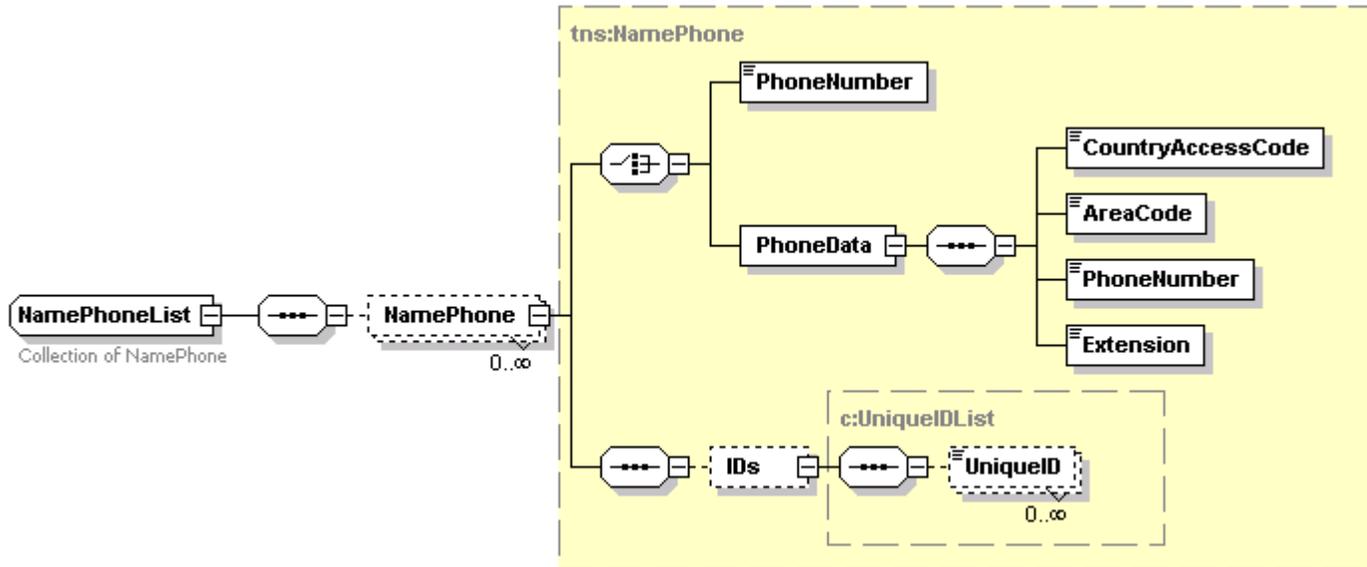


NameMembershipList				
<pre><xs:complexType name="NameMembershipList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameMembership" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:NameMembership" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
NameMembership	element	NameMembership	optional / multiple	A collection of NameMembership elements.

NamePhone

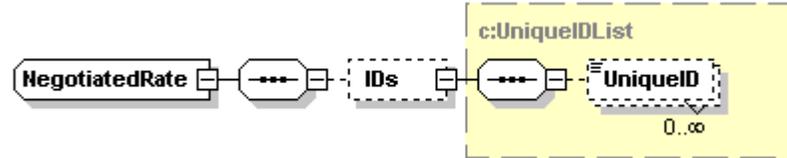
NamePhone				
<pre> <xs:complexType name="NamePhone"> <xs:complexContent mixed="false"> <xs:extension xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" base="q1:Phone"> <xs:sequence> <xs:element minOccurs="0" name="IDs" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="primary" type="xs:boolean" /> <xs:attribute name="displaySequence" type="xs:int" /> <xs:attributeGroup ref="q1:RecordAdministratorAttributes" /> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
NamePhone	extension	Phone		Extension of Phone element type.
primary	attribute	boolean	none	Flag to indicate primary phone.
displaySequence	attribute	int	none	Display sequence.
RecordAdministratorAttributes	attr group			Record creation and update attributes.
IDs	element	UniqueIDList	optional	Internal record ID's.

NamePhoneList



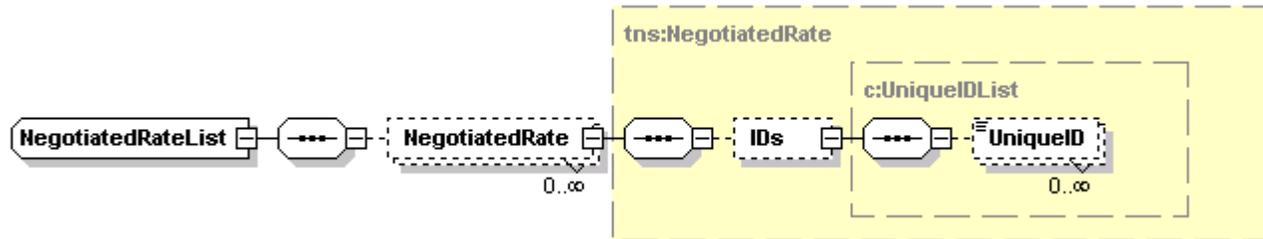
NamePhoneList				
<pre><xs:complexType name="NamePhoneList"> <xs:annotation> <xs:documentation>Collection of NamePhone</xs:documentation> </xs:annotation> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NamePhone" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:NamePhone" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
NamePhone	element	NamePhone	optional / multiple	A collection of NamePhone records.

NegotiatedRate



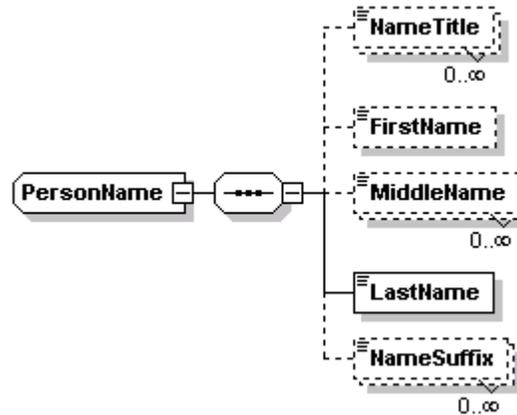
NegotiatedRate				
<pre> <xs:complexType name="NegotiatedRate"> <xs:sequence> <xs:element minOccurs="0" name="IDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" /> </xs:sequence> <xs:attribute name="resortCode" type="xs:string" /> <xs:attribute name="rateCode" type="xs:string" use="required" /> <xs:attribute name="commissionCode" type="xs:string" /> <xs:attribute name="beginDate" type="xs:date" /> <xs:attribute name="endDate" type="xs:date" /> <xs:attribute name="displaySequence" type="xs:int" /> <xs:attributeGroup xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" ref="q2:RecordAdministratorAttributes" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
resortCode	attribute	string	none	Property code where negotiated rate is applicable.
rateCode	attribute	string	required	Rate code.
commissionCode	attribute	string	none	Commission code.
beginDate	attribute	date	none	Begin date for rate.
endDate	attribute	date	none	End date for rate.
displaySequence	attribute	int	none	Display sequence.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.
IDs	element	UniqueIDList	optional	Internal record ID's.

NegotiatedRateList



NegotiatedRateList				
<pre> <xs:complexType name="NegotiatedRateList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NegotiatedRate" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:NegotiatedRate" /> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
NegotiatedRate	element	NegotiatedRate	optional / multiple	A collection of NegotiatedRate elements.

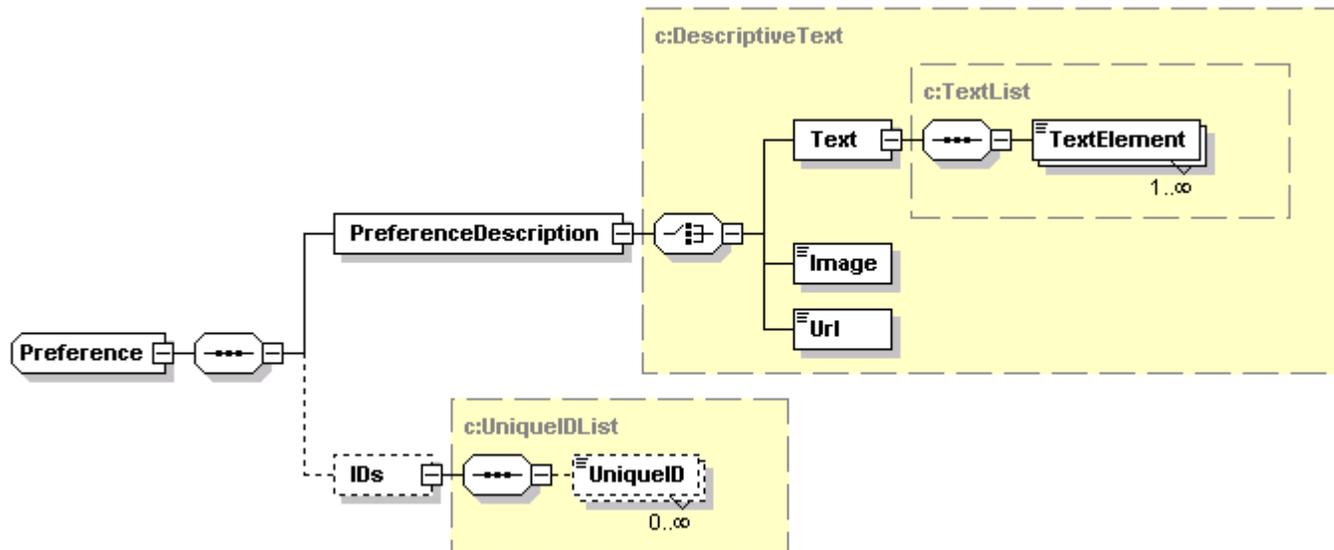
PersonName



PersonName				
<pre> <xs:complexType name="PersonName"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameTitle" type="xs:string" /> <xs:element minOccurs="0" name="FirstName" type="xs:string" /> <xs:element minOccurs="0" maxOccurs="unbounded" name="MiddleName" type="xs:string" /> <xs:element name="LastName" type="xs:string" /> <xs:element minOccurs="0" maxOccurs="unbounded" name="NameSuffix" type="xs:string" /> </xs:sequence> <xs:attribute name="nameOrdered" type="xs:string" /> <xs:attribute name="familiarName" type="xs:string" /> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comments
nameOrdered	attribute	string	none	The ordered representation of the guest name.
familiarName	attribute	string	none	The guest's familiar name.
NameTitle	element	string	optional / multiple	Name title such as "Mr.", "Mrs.", or "Dr."
FirstName	element	string	optional	The guest's first name.
MiddleName	element	string	optional /	The guest's middle name(s).

			multiple	
LastName	element	string	required	The guest's last name. This is the only field which is required.
NameSuffix	element	string	optional / multiple	Name suffix values such as "Jr.", "III", "Esq."

Preference



```

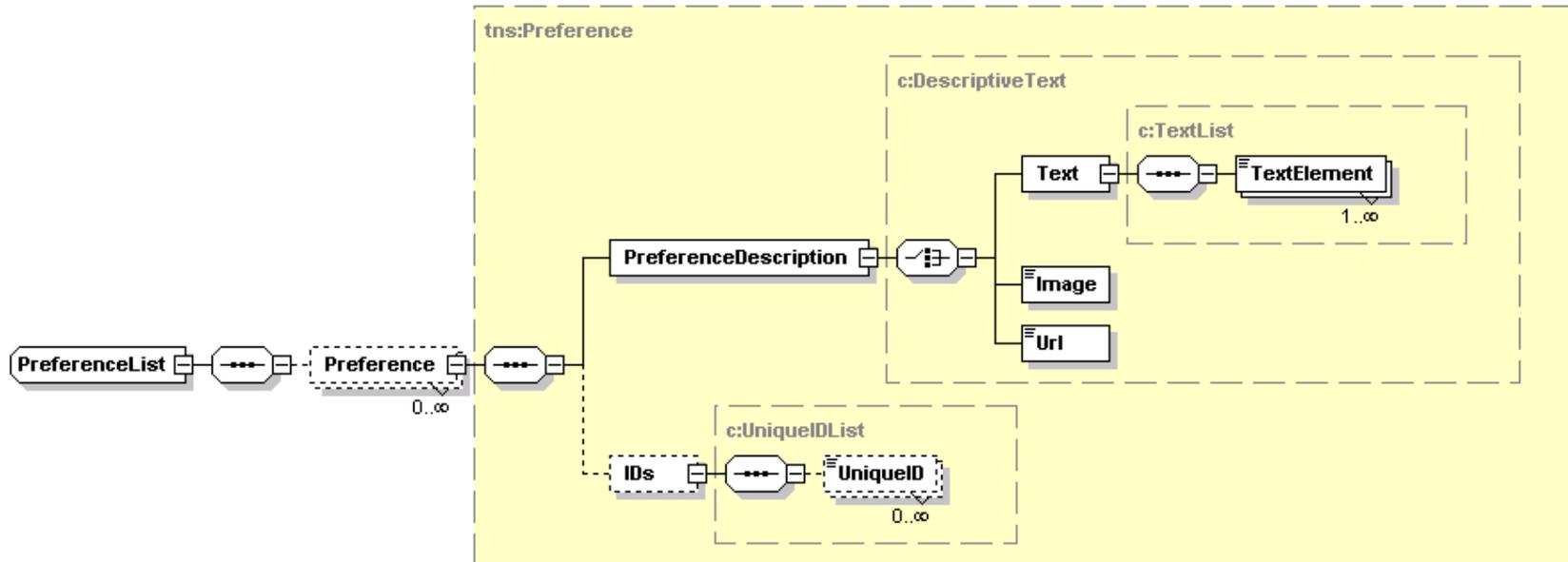
Preference
<xs:complexType name="Preference">
  <xs:sequence>
    <xs:element name="PreferenceDescription" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
      type="q1:DescriptiveText" />
    <xs:element minOccurs="0" name="IDs" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q2:UniqueIDList"
      />
  </xs:sequence>
  <xs:attribute name="resortCode" type="xs:string" />
</xs:complexType>
    
```

```

<xs:attribute name="preferenceType" type="xs:string" />
<xs:attribute name="otherPreferenceType" type="xs:string" />
<xs:attribute name="preferenceValue" type="xs:string" />
<xs:attributeGroup xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" ref="q3:RecordAdministratorAttributes" />
</xs:complexType>
    
```

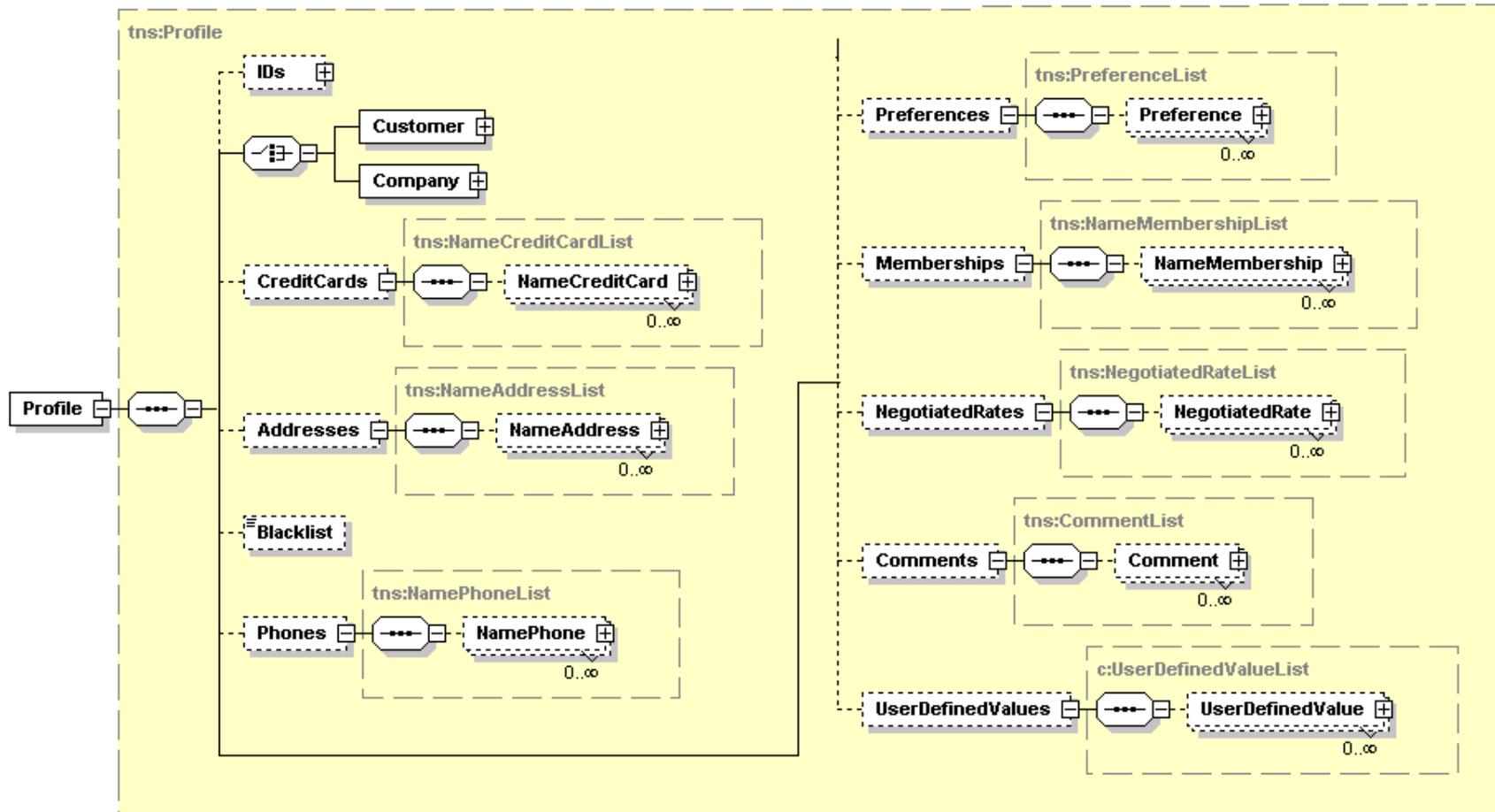
Name	Type	Data Type	Use	Comments
resortCode	attribute	string	none	Property code where preference is defined.
preferenceType	attribute	string	none	Preference type code.
otherPreferenceType	attribute	string	none	Not used.
preferenceValue	attribute	string	none	Preference value.
RecordAdministratorAttributes	attr group			Record creation and last update attributes.
PreferenceDescription	element	DescriptiveText	required	Description of the preference.
IDs	element	UniqueIDList	optional	Internal record ID's.

PreferenceList



PreferenceList				
<pre><xs:complexType name="PreferenceList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="Preference" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q1:Preference" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
Preference	element	Preference	optional / multiple	A collection of Preference elements.

Profile



<p>Profile</p> <pre> <xs:complexType name="Profile"> <xs:sequence> <xs:element minOccurs="0" name="IDs" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UniqueIDList" </pre>
--

```

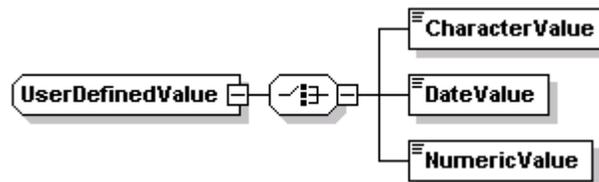
/>
<xs:choice>
  <xs:element name="Customer" xmlns:q2="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q2:Customer" />
  <xs:element name="Company" xmlns:q3="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q3:Company" />
</xs:choice>
<xs:element minOccurs="0" name="CreditCards" xmlns:q4="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q4:NameCreditCardList" />
<xs:element minOccurs="0" name="Addresses" xmlns:q5="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q5:NameAddressList" />
<xs:element minOccurs="0" name="Blacklist" xmlns:q6="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types" type="q6:BlackList" />
<xs:element minOccurs="0" name="Phones" xmlns:q7="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q7:NamePhoneList" />
<xs:element minOccurs="0" name="Preferences" xmlns:q8="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q8:PreferenceList" />
<xs:element minOccurs="0" name="Memberships" xmlns:q9="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q9:NameMembershipList" />
<xs:element minOccurs="0" name="NegotiatedRates" xmlns:q10="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q10:NegotiatedRateList" />
<xs:element minOccurs="0" name="Comments" xmlns:q11="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Name/Types"
  type="q11:CommentList" />
<xs:element minOccurs="0" name="UserDefinedValues" xmlns:q12="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types"
  type="q12:UserDefinedValueList" />
</xs:sequence>
<xs:attribute name="nameType" type="xs:string" />
<xs:attribute name="protected" type="xs:boolean" />
<xs:attribute name="languageCode" type="xs:string" />
<xs:attribute name="nationality" type="xs:string" />
<xs:attribute name="vipCode" type="xs:string" />
<xs:attribute name="taxExempt" type="xs:boolean" />
<xs:attributeGroup xmlns:q13="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" ref="q13:RecordAdministratorAttributes" />
</xs:complexType>

```

Name	Type	Data Type	Use	Comments
nameType	attribute	string	none	Name type. Typical values are <i>GUEST</i> or <i>COMPANY</i> .
protected	attribute	boolean	none	Flag to indicated whether profile can be modified by external system.
languageCode	attribute	string	none	Default language code of guest.
nationality	attribute	string	none	Nationality of guest.
vipCode	attribute	string	none	VIP value.
taxExempt	attribute	boolean	none	Not used.
RecordAdministratorAttributes	attr group			Record of creation and last change.
IDs	element	UniqueIDList	optional	Internal profile ID.

Customer	element	Customer	required	The guest name. Either this element or the Company element must be defined. The minimum requirement is the guest's last name.
Company	element	Company	required	The company name. Either this element of the Customer element must be defined.
CreditCards	element	NameCreditCardList	optional	A collection of credit card elements.
Addresses	element	NameAddressList	optional	A collection of address records.
Blacklist	element	BlackList	optional	A flag to indicate whether the guest has been blacklisted.
Phones	element	NamePhoneList	optional	A collection of telephone elements.
Preferences	element	PreferenceList	optional	A collection of guest preference elements.
Memberships	element	NameMembershipList	optional	A collection of membership elements.
NegotiatedRates	element	NegotiatedRateList	optional	A collection of negotiated rate elements.
Comments	element	CommentList	optional	Comments.
UserDefinedValues	element	UserDefinedValueList	optional	A collection of customizable system defined values.

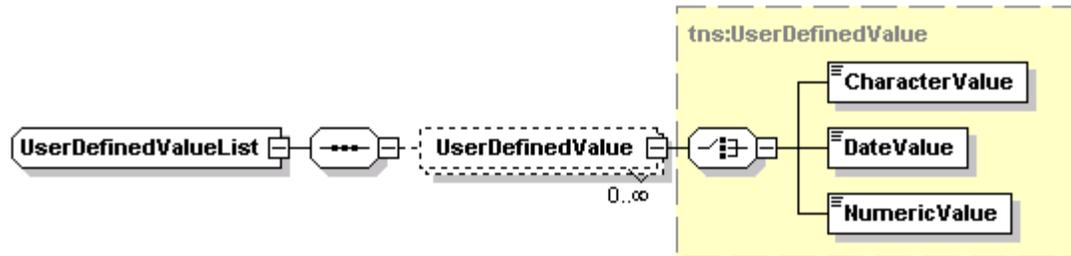
UserDefinedValue



UserDefinedValue				
<pre><xs:complexType name="UserDefinedValue"> <xs:choice> <xs:element name="CharacterValue" type="xs:string" /> <xs:element name="DateValue" type="xs:dateTime" /> <xs:element name="NumericValue" type="xs:float" /> </xs:choice> <xs:attribute name="valueName" type="xs:string" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
valueName	attribute	string	none	User defined value name.
CharacterValue	element	string	required	Character based value (Choice).

DateValue	element	dateTime	required	Date value (Choice).
NumericValue	element	float	required	Numeric value (Choice).

UserDefinedValueList



UserDefinedValueList				
<pre><xs:complexType name="UserDefinedValueList"> <xs:sequence> <xs:element minOccurs="0" maxOccurs="unbounded" name="UserDefinedValue" xmlns:q1="http://htng.org/PWSWG/2006/08/SingleGuestItinerary/Common/Types" type="q1:UserDefinedValue" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comments
UserDefinedValue	element	UserDefinedValue	optional / multiple	A collection of user defined values.