Oracle® Hospitality OPERA
Message Specification for 2-Way Interface between External
Activity Scheduler and OPERA Hotel
Version 5.1

January 2018

ORACLE®

Contents

1   Preface

The objective of this document is to depict how the Activity Web Service messages function in OPERA Web Suite (OWS). This document also provides information necessary to develop custom applications that interact with Activity functionality through the programming language of your choice. In addition, it breaks-down the available complex and simple element types.

The interface is provided as a Web service, utilizing standard SOAP calls. All transactions initiate as a request from the corporate or property web site, and a response is supplied by the Web Service. The Web Service runs under Microsoft Windows IIS and requires that Microsoft .NET version 2.0 or later is installed.

Audience

This document is intended for those developing custom applications that interact with Activity functionality.

Customer Support

To contact Oracle Customer Support, access My Oracle Support at the following URL:

https://support.oracle.com

When contacting Customer Support, please provide the following:

- Product version and program/module name
- Functional and technical description of the problem (include business impact)
- Detailed step-by-step instructions to re-create
- Exact error message received and any associated log files
- Screenshots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at
http://docs.oracle.com/en/industries/hospitality/

Revision History

Date	Description of Change
January 2018	• Rebrand and update document format

2   OGHeader Segment Definitions

SystemID: Simple object used to identify a system. Contains two parameters, entityID and organizationID, which, in combination, must be unique throughout the enterprise.

```
<xs:complexType name="SystemID">
    <xs:attribute name="entityID" type="xs:string" use="required" />
    <xs:attribute name="organizationID" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
EntityID	attribute	xs:string	required	The unique ID assigned to the entity / property system being represented. Analogous to a property code / resort ID.
OrganizationID	attribute	xs:string	optional	The unique ID assigned to the group of entities to which the system might be a member.

EndPoint: Extends SystemID object to include the system type. While not required, system type can further clarify the end points and purpose of a given transaction. The use of system type in all headers is strongly encouraged.

```
<xs:complexType name="EndPoint">
    <xs:complexContent>
      <xs:extension base="tns:SystemID">
          <xs:attribute name="systemType" type="xs:string" />
      </xs:extension>
      </xs:complexContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
SystemType	attribute	xs:string	optional	Free form text segment that identifies type of system (i.e., PMS, PTS, CRS, GDS, etc.). Codes must be agreed to in advance with trading partner.

EndPointList: Simple collection object containing end-points. Planned for future use where intermediaries may be involved in transactions.

```
<xs:complexType name="EndPointList">
  <xs:sequence>
```

```
        <xs:element name="EndPoint"
           type="tns:EndPoint"
           maxOccurs="unbounded" />
     </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
EndPoint	element	EndPoint	required	Collection of EndPoint objects. If the EntPointList object is present at least one EndPoint must exist in the collection.

OGHeader

```
<xs:complexType name="OGHeader">
    <xs:sequence>
      <xs:element name="Origin" type="tns:EndPoint" />
      <xs:element name="Destination" type="tns:EndPoint" />
      <xs:element name="Intermediaries"
 type="tns:EndPointList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="transactionID" type="xs:string" />
    <xs:attribute name="timeStamp" type="xs:dateTime" />
    <xs:attribute name="authToken" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Origin	element	tns:EndPoint	required	EndPoint object used describe the originator of a message.
Destination	element	tns:EndPoint	required	Ultimate recipient for a given message.
Intermediaries	element	tns:EndPoint	optional	Reserved for future use.
transactionID	attribute	xs:string	required	Simple transaction ID value. May be any unique alpha-numeric character combination, including sequence numbers, GUIDs, etc. This value will be used as an echo-token and "parroted" back to the originating system and must be unique across the enterprise.
Timestamp	attribute	xs:dateTime	required	Timestamp used for identification and relative ordering of messages.

Name	Type	Data Type	Use	Comments
AuthToken	attribute	xs:string	optional	Reserved for future use.

Sample OG Header Segment

```
<OGHeader xmlns=http://webservices.micros.com/og/4.0/Core/ timeStamp="2003-
06-08T23:32:16.092" transactionID="{E42DF504-BA89-4059-BB05-FB0E718E5B28}">
     <Origin entityID="OPERA" organizationID="WC" systemType="PMS"
/>
     <Destination entityID="GAMINGID" systemType="PTS" />
</OGHeader>
```

Interpretation:

The message containing this header originated at a PMS system in the chain WC (West Coast Hotels) and a property / resort ID of OPERA. The destination of this message is a PTS system with an entity identifier of GAMINGID. The message was time stamped on the 8th of June, 2003 at around 11:32PM and change. The unique transaction ID value for this message is the GUID value specified.

3   ResultStatus Segment Definition

The ResultStatus segment is one of the most used objects in the interface. It is contained in ALL the message responses. It provides a uniform way to indicate whether a request has succeeded or failed. In case of failure, it contains information on the cause of the failure.

Sample ResultStatus Segment

(Successful!)

```
<Result resultStatusFlag="SUCCESS">
```

(Unsuccessful!)

```
  <Result resultStatusFlag="FAIL">
    <c:Text>
      <c:TextElement>
        internalID 29064:Subscribe:1-
        int_prof_subscription.update_subscription_db: Can't update
        profile subscription . Error: ORA-02291: integrity constraint
        (OGSMOKE252.NAME_SUBSCRIP_DATABASES_FK) violated
        - parent key not found
      </c:TextElement>
      <c:TextElement>
         Other optional errors…..
       </c:TextElement>
    </c:Text>
  </Result>
```

Element Definitions

ResultStatus: Describes the result of a request. When a request is successful, the resultStatusFlag will be set to SUCCESS and optionally, the IDs will contain the identifiers of the records that have been modified. If the message has failed for any reason, the resultStatusFlag will be set to FAIL and the Text collection will contain any relevant error descriptions.

```
<xs:complexType name="ResultStatus">
   <xs:sequence>
<xs:element name="Text" type="tns:TextList" minOccurs="0" />
<xs:element name="IDs" type="tns:IDPairList" minOccurs="0" />
   </xs:sequence>
   <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Text	element	TextList	required if resultStatusFlag is FAIL	Leave null if there are no errors to report.

Name	Type	Data Type	Use	Comments
IDs	element	IDPairList	optional	Leave null if no records have been modified. Otherwise set the IDs of the modified records.
resultStatusFlag	attribute	ResultStatusFlag	required	Set to either SUCCESS or FAIL

TextList: A collection of text elements. In the context of a ResultStatus object, the TextList contains 0 or more lines of error messages. These errors will usually be displayed to the user, logged or both. Leave this object null if there are no errors.

```
<xs:complexType name="TextList">
   <xs:sequence>
     <xs:element name="TextElement" type="tns:Text" maxOccurs="unbounded" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
TextElement	element	Text	required	Collection of 0 or more Text elements.

Text: Contains descriptive, text information. Use the "value" property to assign the text description.

```
<xs:complexType name="Text">
  <xs:simpleContent>
    <xs:extension   base="xs:normalizedString">
       <xs:attribute name="formatted" type="xs:boolean" use="optional" />
       <xs:attribute name="language" type="xs:language" use="optional" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Formatted	attribute	Boolean	optional	Indicates whether the text is formatted or not. Presently not used.
Language	attribute	Language	optional	Indicates the language of the text.

IDPairList: Contains a list of IDPair elements. Can be used, depending on context, when referring to multiple elements at once.

```
<xs:complexType name="IDPairList">
   <xs:sequence>
     <xs:element name="IDPair" type="tns:IDPair" minOccurs="0"
```

ResultStatus Segment Definition

```
      maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
IDPair	element	IDPair	required	A pair of unique identifiers that identify a record both in OPERA and an external system.

IDPair: Maps a unique identifier in OPERA to the one in an external system.

```
<xs:complexType name="IDPair">
   <xs:attribute name="idType" type="xs:string" />
   <xs:attribute name="operaId" type="xs:long" />
   <xs:attribute name="externalId" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
idType	attribute	string	optional	Identifies the type of record that the IDs belong to. Currently there are 3 possible types: PROFILE, RESERVATION, and ACTIVITY.
operaId	attribute	Long	required	The unique identifier of the record in OPERA.
externalID	attribute	string	required	The unique identifier of the same record in the external system.

ResultStatusFlag: Indicates the status of a request message.

```
<xs:simpleType name="ResultStatusFlag">
   <xs:restriction base="xs:string">
     <xs:enumeration value="FAIL" />
     <xs:enumeration value="SUCCESS" />
   </xs:restriction>
</xs:simpleType>
```

Name	Type	Data Type	Use	Comments
ResultStatusFlag	simpleType	Enumeration	required	Possible values are FAIL or SUCCESS.

4   LocationNotification Segment Definition

Sample LocationNotificationRequest Segment

```
<LocationNotificationRequest
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
      locationNotificationStatus="SET">
      <ReservationID type="INTERNAL"
      xmlns="http://webservices.micros.com/og/4.0/Activity/"> 35041
    </ReservationID>
    <ActivityTime
          xmlns="http://webservices.micros.com/og/4.0/Activity/">
        <Start>2003-11-18T11:15:15.2731168-05:00</Start>
        <End>2003-11-18T13:15:15.2731168-05:00</End>
    </ActivityTime>
    <LocationText
          xmlns="http://webservices.micros.com/og/4.0/Activity/">
          Text
    </LocationText>
    <ProfileID type="INTERNAL"
          xmlns="http://webservices.micros.com/og/4.0/Activity/">
          29729
    </ProfileID>
 </LocationNotificationRequest>
```

Sample LocationNotificationResponse Segment

Successful request…

```
 <LocationNotificationResponse
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Result resultStatusFlag="SUCCESS"
        xmlns="http://webservices.micros.com/og/4.0/Activity/" />
</LocationNotificationResponse>
```

Element Descriptions

LocationNotificationRequest: Inserts a locator for a specific reservation in OPERA.

```
<xs:element     name="LocationNotificationRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="ReservationID" type="c:UniqueID"></xs:element>
      <xs:element name="ActivityTime" type="tns:OGTimeSpan"></xs:element>
      <xs:element name="LocationText" type="c:Text"></xs:element>
      <xs:element name="ProfileID" type="c:UniqueID"
      minOccurs="0"></xs:element>
      <xs:element name="Description" type="c:Text" minOccurs="0">
      </xs:element>
    </xs:sequence>
    <xs:attribute     name="locationNotificationStatus"
```

```
                    type="tns:LocationNotificationStatus"  use="required" />
      <xs:attribute name="otherLocationNotificationStatus" type="xs:string"
      use="optional" />
    </xs:complexType>
</xs:element>
```

LocationNotificationRequest: Inserts a locator for a specific reservation in OPERA.

```
<xs:element    name="LocationNotificationRequest">
  <xs:complexType>
    <xs:sequence>
       <xs:element name="ReservationID" type="c:UniqueID"></xs:element>
       <xs:element name="ActivityTime" type="tns:OGTimeSpan"></xs:element>
       <xs:element name="LocationText" type="c:Text"></xs:element>
       <xs:element name="ProfileID" type="c:UniqueID"
       minOccurs="0"></xs:element>
       <xs:element name="Description" type="c:Text" minOccurs="0">
       </xs:element>
    </xs:sequence>
    <xs:attribute   name="locationNotificationStatus"
              type="tns:LocationNotificationStatus"  use="required" />
    <xs:attribute name="otherLocationNotificationStatus" type="xs:string"
    use="optional" />
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ReservationID	Element	UniqueID	Required	Unique identifier of the reservation.
ActivityTime	Element	OGTimeSpan	Required	Time span of the activity.
LocationText	Element	Text	Required	Description of the location where the activity is taking place.
ProfileID	Element	UniqueID	required	Unique identifier or the Profile.
Description	Element	Text	required	Description of the activity.
locationNotificationStatus	Attribute	LocationNotificationStatus	required	Enumeration. Use SET, the other values do nothing.
otherLocationNotificationStatus	Attribute	String	optional	Not used.

LocationNotificationResponse

```
<xs:element    name="LocationNotificationResponse">
```

LocationNotification Segment Definition   13

```
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Result" type="c:ResultStatus" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
Result	Element	ResultStatus	required	Response returned from server.

5   CreateActivity Segment Definition

Sample CreateActivityRequest Segment

```
<ActivityRequest
          xmlns:xsd="http://www.w3.org/2001/XMLSchema"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ProfileID type="INTERNAL"
xmlns="http://webservices.micros.com/og/4.0/Activity/"> 20099
      </ProfileID>
      <Activities
          xmlns="http://webservices.micros.com/og/4.0/Activity/">
          <Activity activityType="GOLFBOOKING" status="CAN"
      location="WP1"  numberOfPersons="4">
      <ActivityIDs>
      <UniqueID type="EXTERNAL"
xmlns="http://webservices.micros.com/og/4.0/Common/"> 4000-A000A00B-OC
      </UniqueID>
      </ActivityIDs>
<TimeSpan>
      <Start>2003-11-18T13:44:26.2840384-05:00</Start>
      <End>2003-11-18T17:44:26.2840384-05:00</End>
</TimeSpan>
          <Description>Description of activity</Description>
          <Notes>Activity Notes</Notes>
      </Activity>
      </Activities>
</ActivityRequest>
```

Sample CreateActivityResponse Segment

Successful request…

```
<ActivityResponse
          xmlns:xsd="http://www.w3.org/2001/XMLSchema"
          xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Result resultStatusFlag="SUCCESS"
xmlns="http://webservices.micros.com/og/4.0/Activity/" />
</ActivityResponse>
```

Unsuccessful request…

```
<ActivityResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Results xmlns="http://webservices.micros.com/og/4.0/Activity/">
          <Text xmlns="http://webservices.micros.com/og/4.0/Common/">
          <TextElement>
          Could not create activity.Conversion for ACTIVITY_TYPE-
      GOLFBOOKING failed.
          </TextElement>
          </Text>
      </Results>
</ActivityResponse>
```

Element Descriptions

AcivityRequest: A generic activity request. (This object can be used in multiple messages, such as when creating a new activity, updating an existing one, etc.).

```
<xs:element name="ActivityRequest">
<xs:complexType>
   <xs:sequence>
      <xs:choice>
        <xs:element name="ReservationHeader" type="tns:ReservationHeader"
        />
        <xs:element name="ProfileID" type="c:UniqueID" />
      </xs:choice>
       <xs:element name="Activities" type="tns:ActivityList">
       </xs:element>
   </xs:sequence>
</xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ReservationHeader	Element	ReservationHeader	Optional	The unique identifier of the reservation.
ProfileID	Element	UniqueID	Required	Unique identifier of the profile.
Activities	Element	ActivityList	Required	An array of activities.

AcivityResponse: The response returned from the server.

```
<xs:element name="ActivityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Results" type="c:ResultStatus">
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
Results	Element	ResultStatus	Required	Response returned from server.

ReservationHeader

```
<xs:complexType    name="ReservationHeader">
  <xs:sequence>
    <xs:element name="ReservationID" type="c:UniqueID"/>
    <xs:element name="TimeSpan" type="tns:OGTimeSpan" minOccurs="0" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
ReservationID	Element	UniqueID	Required	The unique identifier of the reservation.
TimeSpan	Element	OGTimeSpan	Optional	Not used.

Acivity: An activity booking coming from the External Activity Scheduler system.

```
<xs:complexType name="Activity">
  <xs:sequence>
    <xs:element name="ActivityIDs" type="c:UniqueIDList"></xs:element>
    <xs:element name="TimeSpan" type="tns:OGTimeSpan" />
    <xs:element name="Description" type="c:Text" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="Notes" type="c:Text" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="InactiveDate" type="xs:dateTime" minOccurs="0" />
  </xs:sequence>
  <xs:attribute name="activityType" type="xs:string" use="required"/>
  <xs:attribute name="status" type="xs:string" use="required" />
  <xs:attribute name="location" type="xs:string" />
  <xs:attribute name="numberOfPersons" type="xs:int"/>
</xs:complexType>
```

Acivity: An activity booking coming from the External Activity Scheduler system.

```
<xs:complexType name="Activity">
  <xs:sequence>
    <xs:element name="ActivityIDs" type="c:UniqueIDList"></xs:element>
    <xs:element name="TimeSpan" type="tns:OGTimeSpan" />
    <xs:element name="Description" type="c:Text" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="Notes" type="c:Text" minOccurs="0"
    maxOccurs="unbounded"/>
    <xs:element name="InactiveDate" type="xs:dateTime" minOccurs="0" />
  </xs:sequence>
  <xs:attribute name="activityType" type="xs:string" use="required"/>
  <xs:attribute name="status" type="xs:string" use="required" />
  <xs:attribute name="location" type="xs:string" />
  <xs:attribute name="numberOfPersons" type="xs:int"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
ActivityIDs	Element	UniqueIDList	Required	Unique identifier of the activity.
TimeSpan	Element	OGTimeSpan	Required	Start and end dates of the activity.
Description	Element	Text	Optional	Description of the activity.
Notes	Element	Text	Optional	Activity Notes.
InactiveDate	Element	DateTime	Optional	Inactivates the activity when set.
activityType	Attribute	String	Required	Activity type code.
Status	Attribute	String	Required	Activity Status code.
Location	Attribute	String	Optional	Activity Location code.
numberOfPersons	Attribute	Int	Optional	Number of persons involved in the activity.

6 UpdateActivity Segment Definition

Sample UpdateActivityRequest Segment

```
<ActivityRequest
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ProfileID type="INTERNAL"
xmlns="http://webservices.micros.com/og/4.0/Activity/"> 20099
      </ProfileID>
      <Activities xmlns="http://webservices.micros.com/og/4.0/Activity/">
            <Activity activityType="GOLFBOOKING" status="CAN"
      location="WP1" numberOfPersons="4">
            <ActivityIDs>
                  <UniqueID type="EXTERNAL"
            xmlns="http://webservices.micros.com/og/4.0/Common/"> 4000-
            A000A00B-OC
                  </UniqueID>
            </ActivityIDs>
            <TimeSpan>
                  <Start>2003-11-18T15:16:42.2343440-05:00</Start>
                  <End>2003-11-18T19:16:42.2343440-05:00</End>
            </TimeSpan>
            <Description>Description of activity</Description>
            <Notes>Activity Notes</Notes>
            </Activity>
      </Activities>
</ActivityRequest>
```

Sample UpdateActivityResponse Segment

Successful request…

```
<ActivityResponse
      xmlns:xsd="http://www.w3.org/2001/XMLSchema"
      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Result resultStatusFlag="SUCCESS"
      xmlns="http://webservices.micros.com/og/4.0/Activity/" />
</ActivityResponse>
```

Element Descriptions

AcivityRequest: A generic activity request. (This object can be used in multiple messages, such as when creating a new activity, updating an existing one, etc.).

```
 <xs:element name="ActivityRequest">
  <xs:complexType>
    <xs:sequence>
       <xs:choice>
```

```
      <xs:element name="ReservationHeader" type="tns:ReservationHeader"
      />
      <xs:element name="ProfileID" type="c:UniqueID" />
    </xs:choice>
     <xs:element name="Activities" type="tns:ActivityList">
     </xs:element>
   </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ReservationHeader	Element	ReservationHeader	Optional	The unique identifier of the reservation.
ProfileID	Element	UniqueID	Required	Unique identifier of the profile.
Activities	Element	ActivityList	Required	An array of activities.

AcivityResponse: The response returned from the server.

```
 <xs:element name="ActivityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Results" type="c:ResultStatus">
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
Results	Element	ResultStatus	Required	Response returned from server.

Acivity: An activity booking coming from the External Activity Scheduler system.

```
<xs:complexType name="Activity">
 <xs:sequence>
   <xs:element name="ActivityIDs" type="c:UniqueIDList"></xs:element>
   <xs:element name="TimeSpan" type="tns:OGTimeSpan" />
   <xs:element name="Description" type="c:Text" minOccurs="0"
   maxOccurs="unbounded"/>
   <xs:element name="Notes" type="c:Text" minOccurs="0"
   maxOccurs="unbounded"/>
   <xs:element name="InactiveDate" type="xs:dateTime" minOccurs="0" />
  </xs:sequence>
  <xs:attribute name="activityType" type="xs:string" use="required"/>
  <xs:attribute name="status" type="xs:string" use="required" />
  <xs:attribute name="location" type="xs:string" />
  <xs:attribute name="numberOfPersons" type="xs:int"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
ActivityIDs	Element	UniqueIDList	Required	Unique identifier of the activity. The INTERNAL or the EXTERNAL activity ID is used to update an existing activity in the OPERA database.
TimeSpan	Element	OGTimeSpan	Required	Start and end dates of the activity.
Description	Element	Text	Optional	Description of the activity.
Notes	Element	Text	Optional	Activity Notes.
InactiveDate	Element	DateTime	Optional	Inactivates the activity when set.
activityType	Attribute	String	Required	Activity type code.
Status	Attribute	String	Required	Activity Status code.
Location	Attribute	String	Optional	Activity Location code.
numberOfPersons	Attribute	Int	Optional	Number of persons involved in the activity.

7   CancelActivity Segment Definition

CancelActivity is showed here for reference. It is used to actually delete an activity booking from the OPERA database. More often than not, it will be sufficient to use the UpdateActivity message to change the status of the Activity to (CAN)CEL rather than deleting the activity itself.

Sample CancelActivityRequest Segment

```
<ActivityRequest
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <ProfileID type="INTERNAL"
    xmlns="http://webservices.micros.com/og/4.0/Activity/"> 20099
    </ProfileID>
    <Activities xmlns="http://webservices.micros.com/og/4.0/Activity/">
        <Activity activityType="GOLFBOOKING" status="CAN"
    location="WP1" numberOfPersons="4">
        <ActivityIDs>
            <UniqueID type="INTERNAL"
        xmlns="http://webservices.micros.com/og/4.0/Common/"> 40910
            </UniqueID>
        </ActivityIDs>
        <TimeSpan>
            <Start>2003-11-18T15:16:42.2343440-05:00</Start>
            <End>2003-11-18T19:16:42.2343440-05:00</End>
        </TimeSpan>
        <Description>Description of activity</Description>
        <Notes>Activity Notes</Notes>
        </Activity>
    </Activities>
</ActivityRequest>
```

Sample CancelActivityResponse Segment

Successful request…

```
<ActivityResponse
    xmlns:xsd="http://www.w3.org/2001/XMLSchema"
    xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
    <Result resultStatusFlag="SUCCESS"
xmlns="http://webservices.micros.com/og/4.0/Activity/" />
</ActivityResponse>
```

Element Descriptions

AcivityRequest: A generic activity request. (This object can be used in multiple messages, such as when creating a new activity, updating an existing one, etc.).

```
<xs:element name="ActivityRequest">
```

```
  <xs:complexType>
    <xs:sequence>
      <xs:choice>
        <xs:element name="ReservationHeader" type="tns:ReservationHeader"
        />
        <xs:element name="ProfileID" type="c:UniqueID" />
      </xs:choice>
      <xs:element name="Activities" type="tns:ActivityList">
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ReservationHeader	Element	ReservationHeader	Optional	The unique identifier of the reservation. Not used in this context.
ProfileID	Element	UniqueID	Required	Unique identifier of the profile. Not used in this context.
Activities	Element	ActivityList	Required	An array of activities.

AcivityResponse: The response returned from the server.

```
 <xs:element name="ActivityResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Results" type="c:ResultStatus">
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
Results	Element	ResultStatus	Required	Response returned from server.

Acivity: Description of the activity to be canceled.

```
<xs:complexType name="Activity">
 <xs:sequence>
   <xs:element name="ActivityIDs" type="c:UniqueIDList"></xs:element>
   <xs:element name="TimeSpan" type="tns:OGTimeSpan" />
   <xs:element name="Description" type="c:Text" minOccurs="0"
   maxOccurs="unbounded"/>
   <xs:element name="Notes" type="c:Text" minOccurs="0"
   maxOccurs="unbounded"/>
   <xs:element name="InactiveDate" type="xs:dateTime" minOccurs="0" />
 </xs:sequence>
```

CancelActivity Segment Definition   23

```
    <xs:attribute name="activityType" type="xs:string" use="required"/>
    <xs:attribute name="status" type="xs:string" use="required" />
    <xs:attribute name="location" type="xs:string" />
    <xs:attribute name="numberOfPersons" type="xs:int"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
ActivityIDs	Element	UniqueIDList	Required	Unique identifier of the activity. The INTERNAL value is required in order to cancel the activity.
TimeSpan	Element	OGTimeSpan	Optional	Start and end dates of the activity. Not used in this context.
Description	Element	Text	Optional	Description of the activity. Not used in this context.
Notes	Element	Text	Optional	Activity Notes. Not used in this context.
InactiveDate	Element	DateTime	Optional	Inactivates the activity when set. Not used in this context.
activityType	Attribute	String	Required	Activity type code. Not used in this context.
Status	Attribute	String	Required	Activity Status code. Not used in this context.
Location	Attribute	String	Optional	Activity Location code. Not used in this context.
numberOfPersons	Attribute	Int	Optional	Number of persons involved in the activity. Not used in this context.

8   ActivityLookup Segment Definition

Sample ActivityLookupRequest Segment

```xml
<ActivityLookupRequest xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ActivityLookup
      xmlns="http://webservices.micros.com/og/4.0/Activity/">
            <PersonName
      xmlns:c="http://webservices.micros.com/og/4.0/Common/">
            <c:firstName>john</c:firstName>
            <c:lastName>smith</c:lastName>
            </PersonName>
      </ActivityLookup>
</ActivityLookupRequest>
```

Sample ActivityLookupResponse Segment

Successful request…

```xml
<ActivityLookupResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Result resultStatusFlag="SUCCESS"
      xmlns="http://webservices.micros.com/og/4.0/Activity/" />
            <ActivityLookupList
            xmlns="http://webservices.micros.com/og/4.0/Activity/">
                  <ActivityLookup>
                        <ProfileID>
                              <UniqueID type="INTERNAL" source="KCLUB"
                        xmlns="http://webservices.micros.com/og/4.0/Common/
                        ">
                              29729
                              </UniqueID>
                        </ProfileID>
                        <PersonName
                        xmlns:c="http://webservices.micros.com/og/4.0/Commo
                  n/">
                              <c:firstName>John</c:firstName>
                              <c:lastName>Smith</c:lastName>
                        </PersonName>
                        <Address
                  xmlns:c="http://webservices.micros.com/og/4.0/Common/">
                              <c:AddressLine>1111 Street</c:AddressLine>
                              <c:AddressLine>Apt A</c:AddressLine>
                              <c:cityName>Anytown</c:cityName>
                              <c:stateProv />
                              <c:counrtyCode>US</c:counrtyCode>
                        </Address>
```

```
                <Activities>
             <Activity activityType="GOLFRESERVATION" status="Reserved"
      location="DC1" numberOfPersons="1">
<ActivityIDs>
             <UniqueID type="INTERNAL" source="KCLUB"
      xmlns="http://webservices.micros.com/og/4.0/Common/">
1001
             </UniqueID>
             <UniqueID type="EXTERNAL" source="CONCEPT"
      xmlns="http://webservices.micros.com/og/4.0/Common/">
44012-200-0000033289
             </UniqueID>
      </ActivityIDs>
<TimeSpan>
      <Start>2004-01-02T02:40:00.0000000-05:00</Start>
</TimeSpan>
      <Description>Course: Hotel Name Tee: 1</Description>
             </Activity>
      </Activities>
      </ActivityLookup>
</ActivityLookupList>
</ActivityLookupResponse>
```

Element Descriptions

AcivityLookupRequest

```
<xs:element    name="ActivityLookupRequest">
   <xs:complexType>
     <xs:sequence>
       <xs:element name="ActivityLookup" type="tns:ActivityLookup" />
     </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ActivityLookup	Element	ActivityLookup	Required	The filter for the activity lookup.

AcivityLookupResponse

```
<xs:element    name="ActivityLookupResponse">
   <xs:complexType>
     <xs:sequence>
       <xs:element name="Result" type="c:ResultStatus" />
       <xs:element name="ActivityLookupList" type="tns:ActivityLookupList"
       />
     </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
Result	Element	ResultStatus	Required	Encapsulates the success indicator, as well as error and warning messages, if any.
ActivityLookupList	Element	ActivityLookupList	Optional	A list of profiles with corresponding activities.

When used in the request object: AcivityLookup

```
<xs:complexType name="ActivityLookup">
  <xs:sequence>
   <xs:element name="ProfileID" type="c:UniqueIDList" minOccurs="0" />
   <xs:element name="PersonName" type="c:PersonName" minOccurs="0" />
   <xs:element name="Address" type="c:Address" minOccurs="0" />
   <xs:element name="Phone" type="c:Phone" minOccurs="0" />
   <xs:element name="TimeSpan" type="tns:OGTimeSpan" minOccurs="0" />
   <xs:element name="Activities" type="tns:ActivityList" minOccurs="0" />
   <xs:element name="Membership" type="c:Membership" minOccurs="0" />
  </xs:sequence>
 </xs:complexType>
```

Name	Type	Data Type	Use	Comments
ProfileID	Element	UniqueIDList	Optional	Not used on the request.
PersonName	Element	PersonName	Optional	Fields used in the request include last, first.
Address	Element	Address	Optional	Fields used in the request include, city, state, zip code.
Phone	Element	Phone	Optional	Not used in the request.
TimeSpan	Element	OGTimeSpan	Optional	Not used in the request.
Activities	Element	ActivityList	Optional	Not used in the request.
Membership	Element	Membership	Optional	Membership ID of the lookup as known on the External Activity Scheduler.

When used in the response object: AcivityLookup

```
  <xs:complexType name="ActivityLookup">
  <xs:sequence>
     <xs:element name="ProfileID" type="c:UniqueIDList" minOccurs="0" />
```

```
        <xs:element name="PersonName" type="c:PersonName" minOccurs="0" />
        <xs:element name="Address" type="c:Address" minOccurs="0" />
        <xs:element name="Phone" type="c:Phone" minOccurs="0" />
        <xs:element name="TimeSpan" type="tns:OGTimeSpan" minOccurs="0" />
        <xs:element name="Activities" type="tns:ActivityList" minOccurs="0" />
        <xs:element name="Membership" type="c:Membership" minOccurs="0" />
   </xs:sequence>
   </xs:complexType>
```

Name	Type	Data Type	Use	Comments
ProfileID	Element	UniqueIDList	Optional	Unique ID of the returned profile.
PersonName	Element	PersonName	Optional	Name information of the profile.
Address	Element	Address	Optional	Address information of the profile.
Phone	Element	Phone	Optional	Phone Number of the profile.
TimeSpan	Element	OGTimeSpan	Optional	Not used.
Activities	Element	ActivityList	Optional	Activity List (returned on the response for the attached profile).
Membership	Element	Membership	Optional	Membership number of the profile.

Address: A single guest address object.

```
 <xs:complexType name="Address">
       <xs:sequence>
         <xs:element name="AddressLine" type="xs:string" minOccurs="0"
         maxOccurs="5" />
         <xs:element name="cityName" type="xs:string" minOccurs="0" />
         <xs:element name="stateProv" type="xs:string" minOccurs="0" />
         <xs:element name="counrtyCode" type="xs:string" minOccurs="0" />
         <xs:element name="postalCode" type="xs:string" minOccurs="0" />
       </xs:sequence>
       <xs:attribute name="addressType" type="xs:string" />
       <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
AddressLine	element	string collection	optional	Up to two (4) lines of the available five (5) lines will be recognized. All other lines will be ignored.
cityName	element	string	optional	City name associated with this address.
stateProv	element	string	optional	The state or province code associated with this address.
countryCode	element	string	optional	The ISO country code for this address.
postalCode	element	string	optional	The postal or zip code for this address.
addressType	attribute	string	optional	The address type associated with this address (i.e., H for HOME, B for business). This value is subject to conversion.
otherAddressType	attribute	string	not used	Reserved for future use.

9 ReservationLookup Segment Definition

Sample ReservationLookupRequest Segment

```
<ReservationLookupRequest xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <ReservationLookupData
      xmlns="http://webservices.micros.com/og/4.0/Reservation/">
      <DateRange>
            <Start
            xmlns="http://webservices.micros.com/og/4.0/Activity/">
            2004-01-01T00:00:00.0000000-05:00
            </Start>
      </DateRange>
      <ProfileInfo
      xmlns:c="http://webservices.micros.com/og/4.0/Common/">
            <c:firstName>j</c:firstName>
            <c:lastName>smith</c:lastName>
      </ProfileInfo>
  </ReservationLookupData>
</ReservationLookupRequest>
```

Sample ReservationLookupResponse Segment

Successful request…

```
<ReservationLookupResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Result resultStatusFlag="SUCCESS"
      xmlns="http://webservices.micros.com/og/4.0/Reservation/" />
            <ReservationLookups
            xmlns="http://webservices.micros.com/og/4.0/Reservation/">
            <ReservationLookup>
                  <ReservationID type="INTERNAL"
            source="KCLUB">35041</ReservationID>
                  <ProfileID type="INTERNAL"
            source="KCLUB">29729</ProfileID>
                  <RoomNumber />
            <DateRange>
                  <Start
                  xmlns="http://webservices.micros.com/og/4.0/Activity/">
                  2004-03-01T00:00:00.0000000-05:00
                  </Start>
                  <End
                  xmlns="http://webservices.micros.com/og/4.0/Activity/">
                  2004-03-03T00:00:00.0000000-05:00
                  </End>
            </DateRange>
            <ProfileInfo
```

```
            xmlns:c="http://webservices.micros.com/og/4.0/Common/">
                <c:firstName>John</c:firstName>
                <c:lastName>Smith</c:lastName>
            </ProfileInfo>
            <ReservationAddress
      xmlns:c="http://webservices.micros.com/og/4.0/Common/">
            <c:AddressLine>1111 Street</c:AddressLine>
            <c:cityName>Anytown</c:cityName>
            <c:stateProv />
            <c:counrtyCode>US</c:counrtyCode>
            <c:postalCode />
      </ReservationAddress>
      <ConfirmationNo>37686</ConfirmationNo>
      </ReservationLookup>
  </ReservationLookups>
</ReservationLookupResponse>
```

Element Descriptions

ReservationLookupRequest: Message sent when executing a reservation lookup.

```
 <xs:element name="ReservationLookupRequest">
    <xs:complexType>
      <xs:sequence>
         <xs:element name="ReservationLookupData"
         type="tns:ReservationLookup" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comments
ReservationLookupData	Element	ReservationLookup	Required	The query filter for the reservation lookup.

ReservationLookupResponse: Message received on a reservation lookup.

```
 <xs:element     name="ReservationLookupResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Result" type="c:ResultStatus" />
        <xs:element name="ReservationLookups"
                  type="tns:ReservationLookupResultList" minOccurs="0"
                  />
      </xs:sequence>
    </xs:complexType>
 </xs:element>
```

Name	Type	Data Type	Use	Comments
Result	Element	ResultStatus	Required	Encapsulates the success indicator, as well as error and warning messages, if any.
ReservationLookup	Element	ReservationLookupResultList	Optional	A list of reservations that satisfy the search criteria.

ReservationLookup: Filters the queried data when executing a reservation lookup.

```
<xs:complexType    name="ReservationLookup">
   <xs:sequence>
     <xs:element name="ReservationID" type="c:UniqueID" minOccurs="0" />
     <xs:element name="ProfileID" type="c:UniqueID" minOccurs="0" />
     <xs:element name="RoomNumber" type="xs:string" minOccurs="0" />
     <xs:element name="DateRange" type="a:OGTimeSpan" minOccurs="0" />
     <xs:element name="ProfileInfo" type="c:PersonName" minOccurs="0" />
     <xs:element name="ReservationAddress" type="c:Address" minOccurs="0"
     />
     <xs:element name="MembershipID" type="c:Membership" minOccurs="0" />
     <xs:element name="ConfirmationNo" type="xs:string" minOccurs="0" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comments
Result	Element	ResultStatus	Required	Encapsulates the success indicator, as well as error and warning messages, if any.
ReservationLookup	Element	ReservationLookupResultList	Optional	A list of reservations that satisfy the search criteria.

Name	Type	Data Type	Use	Comment
ReservationID	Element	UniqueID	Optional	
ProfileID	Element	UniqueID	Optional	
RoomNumber	Element	String	Optional	
DateRange	Element	OGTimeSpan	Optional	
ProfileInfo	Element	PersonName	Optional	

Name	Type	Data Type	Use	Comment
ReservationAddress	Element	Address	Optional	
MembershipID	Element	Membership	Optional	
ConfirmationNo	Element	String	Optional	

PersonName: Encapsulation of a single guest's name.

```
<xs:complexType name="PersonName">
  <xs:sequence>
   <xs:element name="nameTitle" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
   <xs:element name="firstName" type="xs:string" minOccurs="0" />
   <xs:element name="middleName" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
   <xs:element name="lastName" type="xs:string" />
   <xs:element name="nameSuffix" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
  </xs:sequence>
  <xs:attribute name="nameOrdered" type="xs:string" />
  <xs:attribute name="familiarName" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
nameTitle	Element	String collection	Optional	The name title, such as Mr. or Mrs. Only the first value is recognized or used. All others reserved for future use.
firstName	Element	String collection	Optional	Guest first name. Only the first value is recognized or used. All others reserved for future use.
middleName	Element	String collection	Optional	Guest middle name. Only the first value is recognized or used. All others reserved for future use.
lastName	Element	String	Optional	Guest last name. This element represents the only required element in the Profile object.
nameSuffix	Element	String collection	Optional	Name suffix, such as Jr., Sr., etc. Only the first value in the collection is recognized or used. All others are reserved for future use.
nameOrdered	Attribute	String	Optional	Not used.

Name	Type	Data Type	Use	Comment
familiarName	Attribute	String	Optional	Not used.

Address: A single guest address object.

```
<xs:complexType name="Address">
      <xs:sequence>
            <xs:element name="AddressLine" type="xs:string" minOccurs="0"
            maxOccurs="5"
      />
            <xs:element name="cityName" type="xs:string" minOccurs="0" />
            <xs:element name="stateProv" type="xs:string" minOccurs="0" />
            <xs:element name="counrtyCode" type="xs:string" minOccurs="0"
            />
            <xs:element name="postalCode" type="xs:string" minOccurs="0" />
      </xs:sequence>
      <xs:attribute name="addressType" type="xs:string" />
      <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AddressLine	element	string collection	optional	Up to two (4) lines of the available five (5) lines will be recognized. All other lines will be ignored.
cityName	element	string	optional	City name associated with this address.
stateProv	element	string	optional	The state or province code associated with this address.
countryCode	element	string	optional	The ISO country code for this address.
postalCode	element	string	optional	The postal or zip code for this address.
addressType	attribute	string	optional	The address type associated with this address (i.e., H for HOME, B for business). This value is subject to conversion.
otherAddressType	attribute	string	not used	Reserved for future use.

Membership: Base membership type. Only the membershipLevel is actually used to filter the query.

```
<xs:complexType name="Membership">
      <xs:sequence>
```

```xml
            <xs:element name="membershipType" type="xs:string"
            minOccurs="0" />
            <xs:element name="membershipNumber" type="xs:string" />
            <xs:element name="membershipLevel" type="xs:string"
            minOccurs="0" />
            <xs:element name="memberName" type="xs:string" minOccurs="0" />
            <xs:element name="effectiveDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="expirationDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="currentPoints" type="xs:long" minOccurs="0"
            />
        </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	optional	The type of membership returned. Codes shall be agreed to trading partners prior to implementation of the interface. Not used in this context.
membershipNumber	element	string	required	The actual membership number.
membershipLevel	element	string	optional	Membership level, i.e., Silver, Gold, Medallion, etc. Values, if used, must be agreed to by trading partners. Not used in this context.
memberName	element	string	optional	The member name exactly as it appears on the membership card. Not used in this context.
effectiveDate	element	date	optional	The date the membership becomes valid or effective. Not used in this context.
expirationDate	element	date	optional	The date the membership becomes invalid or expires. Not used in this context.
currentPoints	element	long	not used	Reserved for future use.

10 FetchReservation Segment Definition

Sample FetchReservationRequest Segment

```
<FetchReservationRequest xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
            <ReservationID type="INTERNAL"
      xmlns="http://webservices.micros.com/og/4.0/Reservation/"> 35041
            </ReservationID>
</FetchReservationRequest
```

Sample FetchReservationResponse Segment

Successful request…

```
<FetchReservationResponse xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
      <Result resultStatusFlag="SUCCESS"
      xmlns="http://webservices.micros.com/og/4.0/Reservation/" />
      <ReservationData
      xmlns="http://webservices.micros.com/og/4.0/Reservation/">
            <ReservationID type="INTERNAL"
            source="KCLUB">35041</ReservationID>
            <ConfirmationNO>37686</ConfirmationNO>
            <ProfileID type="INTERNAL" source="KCLUB">29729</ProfileID>
            <ProfileInfo
            xmlns:c="http://webservices.micros.com/og/4.0/Common/">
                  <c:firstName>John</c:firstName>
                  <c:lastName>Smith</c:lastName>
            </ProfileInfo>
            <ArrivalDate>2004-03-03T00:00:00.0000000-05:00</ArrivalDate>
            <DepartureDate>0001-01-01T00:00:00.0000000-
            05:00</DepartureDate>
            <ShortRateCode>RACK</ShortRateCode>
            <ShortRoomType>DLDB</ShortRoomType>
            <Activities>
                  <Activity activityType="GOLFRESERVATION"
            status="Reserved" location="DC1" numberOfPersons="1"
            xmlns="http://webservices.micros.com/og/4.0/Activity/">
                  <ActivityIDs>
                        <UniqueID type="INTERNAL" source="KCLUB"
                  xmlns="http://webservices.micros.com/og/4.0/Common/">
                  1001
                        </UniqueID>
                        <UniqueID type="EXTERNAL" source="CONCEPT"
                  xmlns="http://webservices.micros.com/og/4.0/Common/">
                  44012-200-0000033289
                        </UniqueID>
```

```
            </ActivityIDs>
            <TimeSpan>
                <Start>2004-01-02T02:40:00.0000000-05:00</Start>
            </TimeSpan>
            <Description>Course: Hotel Name Tee: 1</Description>
            </Activity>
        </Activities>
    <RoomNumber />
 </ReservationData>
</FetchReservationResponse>
```

Element Descriptions

FetchReservationRequest

```
 <xs:element name="FetchReservationRequest">
   <xs:complexType>
     <xs:sequence>
       <xs:element name="ReservationID" type="c:UniqueID" />
      </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
ReservationID	Element	UniqueID	Required	Unique identifier of the reservation.

FetchReservationResponse

```
 <xs:element name="FetchReservationResponse">
   <xs:complexType>
     <xs:sequence>
       <xs:element name="Result" type="c:ResultStatus" />
       <xs:element name="ReservationData" type="tns:ReservationFetch"
       minOccurs="0" />
     </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	Element	ResultStatus	Required	Encapsulates the success indicator, as well as error and warning messages, if any.
ReservationData	Element	ReservationFetch	Optional	An encapsulated reservation.

ReservationFetch: Data returned when returning a reservation record.

```
<xs:complexType    name="ReservationFetch">
  <xs:sequence>
    <xs:element name="ReservationID" type="c:UniqueID" />
    <xs:element name="ConfirmationNO" type="xs:string" />
    <xs:element name="ProfileID" type="c:UniqueID" minOccurs="0" />
    <xs:element name="ProfileInfo" type="c:PersonName" minOccurs="0" />
    <xs:element name="ArrivalDate" type="xs:dateTime" />
    <xs:element name="DepartureDate" type="xs:dateTime" />
    <xs:element name="ShortRateCode" type="xs:string" minOccurs="0" />
    <xs:element name="ShortRoomType" type="xs:string" minOccurs="0" />
    <xs:element name="PackageElements" type="tns:PackageElementList"
    minOccurs="0" />
    <xs:element name="Activities" type="a:ActivityList" minOccurs="0" />
    <xs:element name="RoomNumber" type="xs:string" minOccurs="0" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ReservationID	Element	UniqueID	Required	
ConfirmationNO	Element	String	Required	
ProfileID	Element	UniqueID	Optional	
ProfileInfo	Element	PersonName	Optional	
ArrivalDate	Element	DateTime	Required	
DepartureDate	Element	DateTime	Required	
ShortRateCode	Element	String	Optional	
ShortRoomType	Element	String	Optional	
PackageElements	Element	PackageElementList	Optional	
Activities	Element	ActivityList	Optional	
RoomNumber	Element	String	Optional	

PackageElementList: A collection of packages attached to a reservation.

```
<xs:complexType    name="PackageElementList">
  <xs:sequence>
   <xs:element name="PackageElement" type="tns:PackageElement"
   maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PackageElement	Element	PackageElement	Optional	

PackageElement: A package attached to a reservation.

```xml
  <xs:sequence>
   <xs:element name="ElementCode" type="xs:string" />
   <xs:element name="ElementDescription" type="xs:string" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ElementCode	Element	String	Required	
ElementDescription	Element	String	Required	

PersonName: Encapsulation of a single guest's name.

```xml
<xs:complexType name="PersonName">
  <xs:sequence>
   <xs:element name="nameTitle" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
   <xs:element name="firstName" type="xs:string" minOccurs="0" />
   <xs:element name="middleName" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
   <xs:element name="lastName" type="xs:string" />
   <xs:element name="nameSuffix" type="xs:string" minOccurs="0"
   maxOccurs="unbounded" />
  </xs:sequence>
  <xs:attribute name="nameOrdered" type="xs:string" />
  <xs:attribute name="familiarName" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
nameTitle	Element	String collection	Optional	The name title, such as Mr. or Mrs. Only the first value is recognized or used. All others reserved for future use.
firstName	Element	String collection	Optional	Guest first name. Only the first value is recognized or used. All others reserved for future use.
middleName	Element	String collection	Optional	Guest middle name. Only the first value is recognized or used. All others reserved for future use.
lastName	Element	String	Optional	Guest last name. This element represents the only required element in the Profile object.

Name	Type	Data Type	Use	Comment
nameSuffix	Element	String collection	Optional	Name suffix, such as Jr., Sr., etc. Only the first value in the collection is recognized or used. All others are reserved for future use.
nameOrdered	Attribute	String	Optional	Not used.
familiarName	Attribute	String	Optional	Not used.

11 FetchProfile Segment

Sample FetchProfileRequest Segment

(Example of a fetch from OPERA)

```
<FetchProfileRequest
      xmlns="http://webservices.micros.com/og/4.0/Name/">
      xmlns:n="http://webservices.micros.com/og/4.0/Name/"
      <n:ProfileID type="INTERNAL">29599</ n:ProfileID>
</FetchProfileRequest>
```

Sample FetchProfileResponse Segment

```
<FetchProfileResponse
     xmlns:c="http://webservices.micros.com/og/4.0/Common/"
     xmlns:n="http://webservices.micros.com/og/4.0/Name/"
     xmlns="http://webservices.micros.com/og/4.0/Name/">
< n:Result resultStatusFlag="SUCCESS" />
  < n:Profile nameType="GUEST" languageCode="E" vipCode="">
   < n:ProfileIDs>
       <c:UniqueID type="INTERNAL">29599</c:UniqueID>
   </ n:ProfileIDs>
    < n:Customer>
     < n:PersonName>
         <c:firstName>John</c:firstName>
         <c:middleName>J</c:middleName>
         <c:lastName>Smith</c:lastName>
     </ n:PersonName>
     < n:GovernmentIDList>
         <c:GovernmentID documentType="PASSPORT"
            documentNumber="1234567890" />
     </ n:GovernmentIDList>
    </ n:Customer>
    < n:Addresses>
     < n:NameAddress addressType="B" primary="true">
       <c:AddressLine>1111 Street</c:AddressLine>
       <c:AddressLine>Apartment 1</c:AddressLine>
       <c:cityName>Anytown</c:cityName>
       <c:stateProv>FL</c:stateProv>
       <c:postalCode>99999</c:postalCode>
     </ n:NameAddress>
    </ n:Addresses>
    < n:Phones>
     < n:NamePhone phoneType="BUSINESS" primary="true">
       <c:PhoneData phoneNumber="1234567890" />
       </ n:NamePhone>
     < n:NamePhone phoneType="WEB" primary="true">
```

```
        <c:PhoneData phoneNumber="www.example.com" />

     </ n:NamePhone>
   </ n:Phones>
   < n:Memberships>
     < n:NameMembership>
       <c:membershipType>UA</c:membershipType>
       <c:membershipNumber>12345678</c:membershipNu mber>
     </ n:NameMembership>
     < n:NameMembership>
       <c:membershipType>US</c:membershipType>
       <c:membershipNumber>12345678</c:membershipNu mber>
       <c:expirationDate>2005-05-31</c:expirationDate>
     </ n:NameMembership>
   </ n:Memberships>
  </ n:Profile>
</FetchProfileResponse>
```

Element Descriptions

FetchProfileRequest: Contains and wraps a single ProfileID object for transport.

```
<xs:element name="FetchProfileRequest">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="ProfileID" type="c:UniqueID" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
ProfileID	element	UniqueID	required	The ID of the profile to be retrieved. May be either the INTERNAL (OPERA) ID value or the EXTERNAL (Partner) ID of an appropriately subscribed profile.

FetchProfileResponse: Contains and wraps a single ResultStatus object and a single Profile object.

```
<xs:element    name="FetchProfileResponse">
    <xs:complexType>
      <xs:sequence>
        <xs:element name="Result" type="c:ResultStatus" />
        <xs:element name="Profile" type="tns:Profile" minOccurs="0" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	Encapsulates the success indicator, as well as error and warning messages, if any.
Profile	element	Profile	optional	The profile object, if any, retrieved from the system. The object is required if the Result.Success element is present.

Profile: Full representation of a guest profile.

```xml
<xs:complexType name="Profile">
    <xs:sequence>
      <xs:element name="ProfileIDs" type="c:UniqueIDList" minOccurs="0" />
      <xs:choice>
        <xs:element name="Customer" type="tns:Customer" />
        <xs:element name="Company" type="tns:Company" />
      </xs:choice>
      <xs:element name="CreditCards"
          type="tns:NameCreditCardList"  minOccurs="0"
          />
      <xs:element name="Addresses" type="tns:NameAddressList" minOccurs="0"
          />
      <xs:element name="Blacklist" type="tns:BlackList" minOccurs="0" />
      <xs:element name="Phones" type="tns:NamePhoneList" minOccurs="0" />
      <xs:element name="Preferences" type="tns:PreferenceList"
      minOccurs="0"
          />
      <xs:element name="Memberships"
          type="tns:NameMembershipList"  minOccurs="0" />
      <xs:element name="NegotiatedRates"
          type="tns:NegotiatedRateList"  minOccurs="0" />
      <xs:element name="Comments" type="tns:CommentList" minOccurs="0" />
      <xs:element name="UserDefinedValues"
          type="c:UserDefinedValueList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="nameType" type="xs:string" />
    <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 ref="c:RecordAdministratorAttributes" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ProfileIDs	element	UniqueIDList	required	Operationally required in this context. Will contain at least one valid profile ID.
Customer	choice element	Customer	choice element	Represents the named individual portion of a guest profile. In the context of this interface, this will be the only allowable / populated choice element.
CompanyInfo	choice element	CompanyInfo	not used	Reserved for future use.
CreditCards	element	NameCreditCardList	optional	Collection of credit cards associated with this guest.
Addresses	element	NameAddressList	optional	Collection of name addresses associated with this guest.
BlackList	element	BlackList	not used	Reserved for future use.
Phones	element	NamePhoneList	optional	Collection of phone numbers associated with this guest.
Preferences	element	PreferenceList	not used	Reserved for future use.
Membership	element	NameMembershipList	optional	Collection of memberships associated with this guest.
NegotiatedRates	element	NegotiatedRateList	not used	Reserved for future use.
Comments	element	CommentList	not used	Reserved for future use.
UserDefinedValues	element	UserDefinedValueList	not used	Reserved for future use.
nameType	attribute	string	required	The type of profile contained within. In this context, will be fixed value of GUEST.
languageCode	attribute	string	optional	The primary language spoken by guest, if known.
nationality	attribute	string	optional	The nationality of the guest, if known.
vipCode	attribute	string	optional	VIP status or code associated with this guest.
taxExempt	attribute	boolean	optional	Indicates the tax exempt status of this guest.

Name	Type	Data Type	Use	Comment
RecordAdmi nistratorAttri ubutes	attributeGroup		not used	Reserved for future use.

UniqueIDList: Simple collection object containing UniqueID objects. For a FetchProfileRequest, when fetching from OPERA, must contain one record that identifies the internal unique ID of the record to be fetched. When OPERA fetches from an external system, it contains one record with the type set to EXTERNAL and the ID of the record as it is known on that system.

```
<xs:complexType name="UniqueIDList">
      <xs:sequence>
            <xs:element name="UniqueID" type="tns:UniqueID"
            minOccurs="0"  maxOccurs="unbounded" />
      </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
UniqueID	element	UniqueID	required	Collection of UniqueID objects.

UniqueID: Used in the FetchProfileRequest.ProfileID to indicate the specific profile to be retrieved. Will also be used in the Profile object response to provide all IDs by which this profile is known in OPERA. To retrieve an OPERA profile, set the UniqueID.type to "INTERNAL" and the value to the profile ID desired.

```
     <xs:complexType
      name="UniqueID">
    <xs:simpleContent>
          <xs:extension base="xs:string">
                <xs:attribute name="type" type="tns:UniqueIDType"
                use="required" />
                <xs:attribute name="source" type="xs:string" />
          </xs:extension>
    </xs:simpleContent>
</xs:complexType>
```

Extends: xs:string

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	The UniqueIDType (INTERNAL or EXTERNAL) that defines the base type. INTERNAL always represents the OPERA internal value.

Name	Type	Data Type	Use	Comment
source	attribute	xs:string	optional	In this context (Profile ID), this value may be omitted if the ID represented is INTERNAL as profiles are not unique to any specific property in OPERA. If this element represents an EXTERNAL ID, this value is required.
Text	Text	xs:string	required	The actual ID value to be passed. This is the actual value modified by the attributes type and source.

PersonName: Encapsulation of a single guest's name. In this context, used in Customer object.

```
<xs:complexType name="PersonName">
    <xs:sequence>
        <xs:element name="nameTitle" type="xs:string"
    minOccurs="0"  maxOccurs="unbounded" />
        <xs:element name="firstName" type="xs:string" minOccurs="0" />
        <xs:element name="middleName" type="xs:string"
    minOccurs="0"  maxOccurs="unbounded" />
        <xs:element name="lastName" type="xs:string" />
        <xs:element name="nameSuffix" type="xs:string"
    minOccurs="0"  maxOccurs="unbounded" />
    </xs:sequence>
    <xs:attribute name="nameOrdered" type="xs:string" />
    <xs:attribute name="familiarName" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
nameTitle	element	string collection	optional	The name title, such as Mr. or Mrs. Only the first value is recognized or used. All others reserved for future use.
firstName	element	string collection	optional	Guest first name. Only the first value is recognized or used. All others reserved for future use.
middleName	element	string collection	optional	Guest middle name. Only the first value is recognized or used. All others reserved for future use.
lastName	element	string	required	Guest last name. This element represents the only required element in the Profile object.

Name	Type	Data Type	Use	Comment
nameSuffix	element	string collecti on	optional	Name suffix, such as Jr., Sr., etc. Only the first value in the collection is recognized or used. All others are reserved for future use.
nameOrdered	attribute	string	not used	Not used.
familiarName	attribute	string	not used	Not used.

GovernmentID: Government IDs typically represent some form of state issued identification. Examples include Passports, State driver's license or State issued photo ID.

```xml
<xs:complexType name="GovernmentID">
    <xs:attribute name="documentType" type="xs:string" />
    <xs:attribute name="documentNumber" type="xs:string" />
    <xs:attribute name="effectiveDate" type="xs:date" />
    <xs:attribute name="expirationDate" type="xs:date" />
    <xs:attribute name="placeOfIssue" type="xs:string" />
    <xs:attribute name="countryOfIssue" type="xs:string" />
/xs:complexType>
```

Name	Type	Data Type	Use	Comment
documentType	attribute	string	optional	Optional text field used to identify the type of government ID contained. While marked as optional failure to include this parameter may render the contained ID invalid unless prior agreement is reached among trading partners with regard to the meaning of an empty documentType. Use of this attribute is strongly recommended. Value must be agreed to by trading partners.
documentNumber	attribute	string	required	The actual identification number for the government ID as issued by the issuing authority.
effectiveDate	attribute	date	optional	The date that the represented ID becomes effective or valid.
expirationDate	attribute	date	optional	The date that the represented ID expires or becomes invalid.

Name	Type	Data Type	Use	Comment
placeOfIssue	attribute	string	optional	The place of issue, if known. For state or provincial ID types, the state or province code is inserted here as well.
countryOfIssue	attribute	string	optional	The country of issuance. For state or provincially issued IDs, this value would be the parent country.

GovernmentIDList: Simple collection object containing GovernmentID objects.

```
<xs:complexType    name="GovernmentIDList">
  <xs:sequence>
     <xs:element name="GovernmentID"
        type="tns:GovernmentID"  minOccurs="0"
        maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GovernmentID	element	GovernmentID	optional	Collection member. By rule, in this collection, the container collection object may be rendered empty.

Gender: Simple enumeration type for gender.

```
<xs:simpleType name="Gender">
  <xs:restriction base="xs:string">
    <xs:enumeration value="FEMALE" />
    <xs:enumeration value="MALE" />
    <xs:enumeration value="UNKNOWN" />
  </xs:restriction>
</xs:simpleType>
```

Base Type: xs:string

Value	Type	Comment
FEMALE	enumeration	Guest is female
MALE	enumeration	Guest is male
UNKNOWN	enumeration	Guest gender is unknown.

Customer: Contains the named guest elements / IDs (as opposed to a Company or TA profile entity). In this interface, only the Customer object is used in the Customer/CompanyInfo choice element.

```xml
<xs:complexType name="Customer">
    <xs:sequence>
      <xs:element name="PersonName" type="c:PersonName" />
      <xs:element name="BusinessTitle" type="xs:string" minOccurs="0" />
      <xs:element name="GovernmentIDList"
          type="c:GovernmentIDList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="gender" type="c:Gender" />
    <xs:attribute name="birthDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PersonName	element	PersonName	required	Encapsulates guest name.
BusinessTitle	element	string	optional	Simple string indicating guest title. i.e., "Sr. Software Engineer".
GovernmentIDList	element	GovernmentIDList	optional	Collection of all government ID values associated with this guest.
gender	attribute	Gender	optional	The guest's gender, if known.
birthDate	attribute	DateTime	optional	The guest's birth date, if known.

CreditCard: The base type for all credit cards.

```xml
<xs:complexType name="CreditCard">
    <xs:sequence>
      <xs:element name="cardCode" type="xs:string" />
      <xs:element name="cardHolderName" type="xs:string" minOccurs="0" />
      <xs:element name="cardNumber" type="xs:string" />
      <xs:element name="seriesCode" type="xs:string" minOccurs="0" />
      <xs:element name="effectiveDate" type="xs:date" minOccurs="0" />
      <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>
```

Name	Type	Data Type	Use	Comment
cardCode	element	string	required	The actual credit card issuer code, i.e., VA for VI or Visa, MC for MasterCard, etc.

Name	Type	Data Type	Use	Comment
cardHolderName	element	string	optional	The card holder name exactly as it appears on the credit card.
cardNumber	element	string	required	The credit card number.
seriesCode	element	string	not used	Reserved for future use.
effectiveDate	element	date	optional	The effective date of the card, if any.
expirationDate	element	date	required	Credit card expiration date.
cardType	attribute	string	optional	The type of card, i.e., Credit, Debit, Voucher, etc.
otherCardType	attribute	string	not used	Reserved for future use.

NameCreditCard: Extended credit card class for use in Profile objects.

```xml
<xs:complexType   name="NameCreditCard">
   <xs:complexContent>
      <xs:extension base="c:CreditCard">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: CreditCard

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this credit card should be considered the primary card for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.

Name	Type	Data Type	Use	Comment
RecordAdministrat orAttriubutes	attributeGroup		not used	Reserved for future use.

NameCreditCardList: Simple collection object containing NameCreditCard objects.

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

Name	Type	Data Type	Use	Comment
NameCreditCard	element	NameCreditCard	optional	Collection member.

Address: A single guest address object.

```
<xs:complexType name="Address">
    <xs:sequence>
      <xs:element name="AddressLine" type="xs:string" minOccurs="0"
      maxOccurs="5" />
      <xs:element name="cityName" type="xs:string" minOccurs="0" />
      <xs:element name="stateProv" type="xs:string" minOccurs="0" />
      <xs:element name="counrtyCode" type="xs:string" minOccurs="0" />
      <xs:element name="postalCode" type="xs:string" minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="addressType" type="xs:string" />
    <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AddressLine	element	string collecti on	optional	Up to two (4) lines of the available five (5) lines will be recognized. All other lines will be ignored.
cityName	element	string	optional	City name associated with this address.
stateProv	element	string	optional	The state or province code associated with this address.
countryCode	element	string	optional	The ISO country code for this address.
postalCode	element	string	optional	The postal or zip code for this address.

Name	Type	Data Type	Use	Comment
addressType	attribute	string	optional	The address type associated with this address (i.e., H for HOME, B for business). This value is subject to conversion.
otherAddressType	attribute	string	not used	Reserved for future use.

NameAddress: Extended guest address class for use in Profile objects.

```
<xs:complexType name="NameAddress">
   <xs:complexContent>
      <xs:extension base="c:Address">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Address

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this address entity should be considered the primary address for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NameAddressList: Simple collection object containing NameCreditCard objects.

```
<xs:complexType    name="NameAddressList">
    <xs:sequence>
      <xs:element name="NameAddress"
          type="tns:NameAddress"  minOccurs="0"
```

```
            maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameAddress	element	NameAddress	optional	Collection member.

Phone: Complex type representing a phone number.

```
<xs:complexType name="Phone">
    <xs:choice>
      <xs:element name="PhoneNumber" type="xs:string" />
      <xs:element name="PhoneData">
        <xs:complexType>
          <xs:attribute name="countryAccessCode" type="xs:string" />
          <xs:attribute name="areaCode" type="xs:string" />
          <xs:attribute name="phoneNumber" type="xs:string" />
          <xs:attribute name="extension" type="xs:string" />
        </xs:complexType>
      </xs:element>
    </xs:choice>
    <xs:attribute name="phoneType" type="xs:string" />
    <xs:attribute name="phoneRole" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PhoneNumber	choice element	string	choice element	If component parts of a phone number are not know, then entire number may be represented as a single string.
PhoneData	choice element	ComplexType	choice element	PhoneData is one of the few embedded types within the schema set. It is used to represent a phone number available as a series of component parts.
PhoneData.countryAccessCode	attribute	string	optional	The country code associated with the phone number provided in the phoneNumber attribute.

Name	Type	Data Type	Use	Comment
PhoneData.areaCode	attribute	string	optional	The area code associated with the phone number provided in the phoneNumber attribute.
PhoneData.phoneNumber	attribute	string	required	The attribute used to hold the phone number itself if rendered using the PhoneData object.
PhoneData.extension	attribute	string	optional	The phone extension, if any, for this guest at the number specified.
phoneType	attribute	string	optional	The designated phone type. i.e., B = BusinessPhone. This value is subject to conversion.
phoneRole	attribute	string	not used	Reserved for future use.

NamePhone: Extended guest phone class for use in Profile objects.

```
<xs:complexType name="NamePhone">
   <xs:complexContent>
      <xs:extension base="c:Phone">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Phone

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.

Name	Type	Data Type	Use	Comment
primary	attribute	boolean	optional	Used to indicate whether or not this phone entity should be considered the primary phone for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministrat orAttriubutes	attributeGroup		not used	Reserved for future use.

NamePhoneList: Simple collection object containing NamePhone objects.

```xml
<xs:complexType name="NamePhoneList">
    <xs:annotation>
      <xs:documentation>Collection of NamePhone</xs:documentation>
    </xs:annotation>
    <xs:sequence>
      <xs:element name="NamePhone" type="tns:NamePhone"
          minOccurs="0"  maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NamePhone	element	NamePhone	optional	Collection member.

Membership: Base membership type.

```xml
<xs:complexType name="Membership">
      <xs:sequence>
            <xs:element name="membershipType" type="xs:string"
            minOccurs="0" />
            <xs:element name="membershipNumber" type="xs:string" />
            <xs:element name="membershipLevel" type="xs:string"
            minOccurs="0" />
            <xs:element name="memberName" type="xs:string" minOccurs="0" />
            <xs:element name="effectiveDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="expirationDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="currentPoints" type="xs:long" minOccurs="0"
            />
      </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	optional	The type of membership returned. Codes shall be agreed to trading partners prior to implementation of the interface.
membershipNumber	element	string	required	The actual membership number.
membershipLevel	element	string	optional	Membership level, i.e., Silver, Gold, Medallion, etc. Values, if used, must be agreed to by trading partners.
memberName	element	string	optional	The member name exactly as it appears on the membership card.
effectiveDate	element	date	optional	The date the membership becomes valid or effective.
expirationDate	element	date	optional	The date the membership becomes invalid or expires.
currentPoints	element	long	not used	Reserved for future use.

NameMembership: Extended guest membership class for use in Profile objects.

```
<xs:complexType    name="NameMembership">
   <xs:complexContent>
      <xs:extension base="c:Membership">
        <xs:attribute name="operaId" type="xs:long" />
        <xs:attribute name="externalId" type="xs:string" />
        <xs:attribute name="primary" type="xs:boolean" />
        <xs:attribute name="displaySequence" type="xs:int" />
        <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Membership

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this membership entity should be considered the primary membership for this guest.

Name	Type	Data Type	Use	Comment
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NameMembershipList: Simple collection object containing NameMembership objects.

```
<xs:complexType    name="NameMembershipList">
    <xs:sequence>
      <xs:element name="NameMembership"
          type="tns:NameMembership"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameMembership	element	NameMembership	optional	Collection member.

12 NewProfile Segment

Sample NewProfileRequest Segment

The following inserts a new profile into OPERA. The external unique ID that is the ID of the record in the external system is REQUIRED.

```xml
<NewProfileRequest
   xmlns:n="http://webservices.micros.com/og/4.0/Name/"
   xmlns:c="http://webservices.micros.com/og/4.0/Common/"
   xmlns="http://webservices.micros.com/og/4.0/Name/">
  <n:Profile nameType="GUEST" protected="true" languageCode="" vipCode="">
   <n:ProfileIDs>
     <c:UniqueID type="EXTERNAL" source="CONCEPT">
     188412
     </c:UniqueID>
   </n:ProfileIDs>
    <n:Customer>
     <n:PersonName>
      <c:firstName>JOHN</c:firstName>
      <c:lastName>Smith</c:lastName>
     </n:PersonName>
    </n:Customer>
   < n:Addresses>
     < n:NameAddress addressType="PROTECTED" primary="true">
        <c:AddressLine>1111 Street</c:AddressLine>
        <c:cityName>Anytown</c:cityName>
        <c:stateProv>FL</c:stateProv>
        <c:postalCode> 99999</c:postalCode>
     </ n:NameAddress>
   </ n:Addresses>
  </n:Profile>
</NewProfileRequest>
```

Sample NewProfileResponse Segment

```xml
<NewProfileResponse
   xmlns:c="http://webservices.micros.com/og/4.0/Common/"
   xmlns:n="http://webservices.micros.com/og/4.0/Name/"
   xmlns="http://webservices.micros.com/og/4.0/Name/">
  < n:Result resultStatusFlag="SUCCESS">
   <c:IDs>
     <c:IDPair idType="PROFILE" operaId="29064" />
   </c:IDs>
  </ n:Result>
</UpdateProfileResponse>
```

Element Descriptions

NewProfileRequest: Creates a new profile.

```
<xs:element name="NewProfileRequest">
 <xs:complexType>
   <xs:sequence>
     <xs:element name="Profile" type="tns:Profile" />
   </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Profile	element	Profile	required	The object representation of a new Profile.

NewProfileResponse: Contains and wraps a single ResultStatus object.

```
<xs:element name="NewProfileResponse">
    <xs:complexType>
      <xs:sequence>
          <xs:element name="Result" type="c:ResultStatus" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	Encapsulates the success indicator, as well as error and warning messages, if any.

Profile: Full representation of a guest profile.

```
<xs:complexType name="Profile">
    <xs:sequence>
      <xs:element name="ProfileIDs" type="c:UniqueIDList" minOccurs="0" />
      <xs:choice>
        <xs:element name="Customer" type="tns:Customer" />
        <xs:element name="Company" type="tns:Company" />
      </xs:choice>
      <xs:element name="CreditCards"
          type="tns:NameCreditCardList"  minOccurs="0"
          />
      <xs:element name="Addresses" type="tns:NameAddressList" minOccurs="0"
          />
      <xs:element name="Blacklist" type="tns:BlackList" minOccurs="0" />
      <xs:element name="Phones" type="tns:NamePhoneList" minOccurs="0" />
      <xs:element name="Preferences" type="tns:PreferenceList"
```

```
        minOccurs="0"
          />
      <xs:element name="Memberships"
          type="tns:NameMembershipList"  minOccurs="0" />
      <xs:element name="NegotiatedRates"
          type="tns:NegotiatedRateList"  minOccurs="0" />
      <xs:element name="Comments" type="tns:CommentList" minOccurs="0" />
      <xs:element name="UserDefinedValues"
          type="c:UserDefinedValueList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="nameType" type="xs:string" />
    <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 ref="c:RecordAdministratorAttributes" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ProfileIDs	element	UniqueIDList	required	Operationally required in this context. Will contain at least one valid profile ID.
Customer	choice element	Customer	choice element	Represents the named individual portion of a guest profile. In the context of this interface, this will be the only allowable / populated choice element.
CompanyInfo	choice element	CompanyInfo	not used	Reserved for future use.
CreditCards	element	NameCreditCardList	optional	Collection of credit cards associated with this guest.
Addresses	element	NameAddressList	optional	Collection of name addresses associated with this guest.
BlackList	element	BlackList	not used	Reserved for future use.

Name	Type	Data Type	Use	Comment
Phones	element	NamePhoneList	optional	Collection of phone numbers associated with this guest.
Preferences	element	PreferenceList	not used	Reserved for future use.
Membership	element	NameMembership List	optional	Collection of memberships associated with this guest.
NegotiatedR ates	element	NegotiatedRateList	not used	Reserved for future use.
Comments	element	CommentList	not used	Reserved for future use.
UserDefined Values	element	UserDefinedValue List	not used	Reserved for future use.
nameType	attribute	string	required	The type of profile contained within. In this context, will be fixed value of GUEST.
languageCo de	attribute	string	optional	The primary language spoken by guest, if known.
nationality	attribute	string	optional	The nationality of the guest, if known.
vipCode	attribute	string	optional	VIP status or code associated with this guest.
taxExempt	attribute	boolean	optional	Indicates the tax exempt status of this guest.
RecordAdmi nistratorAttr iubutes	attributeGroup		not used	Reserved for future use.

UniqueIDList: Simple collection object containing UniqueID objects. For a NewProfileRequest, must contain one record that identifies the External unique ID of the record to be inserted.

```
<xs:complexType name="UniqueIDList">
 <xs:sequence>
  <xs:element name="UniqueID" type="tns:UniqueID" minOccurs="0"
```

```
  maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
UniqueID	element	UniqueID	required	Collection of UniqueID objects.

UniqueID: Can be used in the context of a new profile to indicate the unique ID of the profile in the external system. As an example, when inserting a new profile into OPERA, you would set this UniqueID.type to "EXTERNAL" and the UniqueID.value to the value that identifies this profile into your system. This lets OPERA know how to locate the profile in the external system.

```
<xs:complexType name="UniqueID">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="type" type="tns:UniqueIDType" use="required" />
      <xs:attribute name="source" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Extends: xs:string

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	The UniqueIDType (INTERNAL or EXTERNAL) that defines the base type. INTERNAL always represents the OPERA internal value.
source	attribute	xs:string	optional	In this context (Profile ID), this value may be omitted if the ID represented is INTERNAL as profiles are not unique to any specific property in OPERA. If this element represents an EXTERNAL ID, this value is required.
Text	Text	xs:string	required	The actual ID value to be passed. This is the actual value modified by the attributes type and source.

PersonName: Encapsulation of a single guest's name. In this context, used in Customer object.

```
<xs:complexType name="PersonName">
  <xs:sequence>
```

```
    <xs:element name="nameTitle" type="xs:string" minOccurs="0"
    maxOccurs="unbounded" />
    <xs:element name="firstName" type="xs:string" minOccurs="0" />
    <xs:element name="middleName" type="xs:string" minOccurs="0"
    maxOccurs="unbounded" />
    <xs:element name="lastName" type="xs:string" />
    <xs:element name="nameSuffix" type="xs:string" minOccurs="0"
    maxOccurs="unbounded" />
    </xs:sequence>
    <xs:attribute name="nameOrdered" type="xs:string" />
    <xs:attribute name="familiarName" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
nameTitle	element	string collecti on	optional	The name title, such as Mr. or Mrs. Only the first value is recognized or used. All others reserved for future use.
firstName	element	string collecti on	optional	Guest first name. Only the first value is recognized or used. All others reserved for future use.
middleName	element	string collecti on	optional	Guest middle name. Only the first value is recognized or used. All others reserved for future use.
lastName	element	string	required	Guest last name. This element represents the only required element in the Profile object.
nameSuffix	element	string collecti on	optional	Name suffix, such as Jr., Sr., etc. Only the first value in the collection is recognized or used. All others are reserved for future use.
nameOrdered	attribute	string	not used	Not used.
familiarName	attribute	string	not used	Not used.

GovernmentID: Government IDs typically represent some form of state issued identification. Examples include Passports, State driver's license or State issued photo ID.

```
<xs:complexType name="GovernmentID">
    <xs:attribute name="documentType" type="xs:string" />
    <xs:attribute name="documentNumber" type="xs:string" />
    <xs:attribute name="effectiveDate" type="xs:date" />
    <xs:attribute name="expirationDate" type="xs:date" />
    <xs:attribute name="placeOfIssue" type="xs:string" />
```

```
    <xs:attribute name="countryOfIssue" type="xs:string" />
/xs:complexType>
```

Name	Type	Data Type	Use	Comment
documentType	attribute	string	optional	Optional text field used to identify the type of government ID contained. While marked as optional failure to include this parameter may render the contained ID invalid unless prior agreement is reached among trading partners with regard to the meaning of an empty documentType. Use of this attribute is strongly recommended. Value must be agreed to by trading partners.
documentNumber	attribute	string	required	The actual identification number for the government ID as issued by the issuing authority.
effectiveDate	attribute	date	optional	The date that the represented ID becomes effective or valid.
expirationDate	attribute	date	optional	The date that the represented ID expires or becomes invalid.
placeOfIssue	attribute	string	optional	The place of issue, if known. For state or provincial ID types, the state or province code is inserted here as well.
countryOfIssue	attribute	string	optional	The country of issuance. For state or provincially issued IDs, this value would be the parent country.

GovernmentIDList: Simple collection object containing GovernmentID objects.

```
<xs:complexType    name="GovernmentIDList">
  <xs:sequence>
    <xs:element name="GovernmentID"
        type="tns:GovernmentID"  minOccurs="0"
        maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GovernmentID	element	GovernmentID	optional	Collection member. By rule, in this collection, the container collection object may be rendered empty.

Gender: Simple enumeration type for gender.

```xml
<xs:simpleType name="Gender">
  <xs:restriction base="xs:string">
    <xs:enumeration value="FEMALE" />
    <xs:enumeration value="MALE" />
    <xs:enumeration value="UNKNOWN" />
  </xs:restriction>
</xs:simpleType>
```

Base Type: xs:string

Value	Type	Comment
FEMALE	enumeration	Guest is female.
MALE	enumeration	Guest is male.
UNKNOWN	enumeration	Guest gender is unknown.

Customer: Contains the named guest elements / IDs (as opposed to a Company or TA profile entity). In this interface, only the Customer object is used in the Customer/CompanyInfo choice element.

```xml
<xs:complexType name="Customer">
    <xs:sequence>
      <xs:element name="PersonName" type="c:PersonName" />
      <xs:element name="BusinessTitle" type="xs:string" minOccurs="0" />
      <xs:element name="GovernmentIDList"
          type="c:GovernmentIDList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="gender" type="c:Gender" />
    <xs:attribute name="birthDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PersonName	element	PersonName	required	Encapsulates guest name.
BusinessTitle	element	string	optional	Simple string indicating guest title. i.e., "Sr. Software Engineer".

Name	Type	Data Type	Use	Comment
GovernmentIDList	element	GovernmentIDList	optional	Collection of all government ID values associated with this guest.
gender	attribute	Gender	optional	The guest's gender, if known.
birthDate	attribute	DateTime	optional	The guest's birth date, if known.

CreditCard: The base type for all credit cards.

```
<xs:complexType name="CreditCard">
    <xs:sequence>
      <xs:element name="cardCode" type="xs:string" />
      <xs:element name="cardHolderName" type="xs:string" minOccurs="0" />
      <xs:element name="cardNumber" type="xs:string" />
      <xs:element name="seriesCode" type="xs:string" minOccurs="0" />
      <xs:element name="effectiveDate" type="xs:date" minOccurs="0" />
      <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>
```

Name	Type	Data Type	Use	Comment
cardCode	element	string	required	The actual credit card issuer code, i.e., VA for VI or Visa, MC for MasterCard, etc.
cardHolderName	element	string	optional	The card holder name exactly as it appears on the credit card.
cardNumber	element	string	required	The credit card number.
seriesCode	element	string	not used	Reserved for future use.
effectiveDate	element	date	optional	The effective date of the card, if any.
expirationDate	element	date	required	Credit card expiration date.
cardType	attribute	string	optional	The type of card, i.e., Credit, Debit, Voucher, etc.
otherCardType	attribute	string	not used	Reserved for future use.

NameCreditCard: Extended credit card class for use in Profile objects.

```
<xs:complexType    name="NameCreditCard">
   <xs:complexContent>
      <xs:extension base="c:CreditCard">
        <xs:attribute name="operaId" type="xs:long" />
        <xs:attribute name="externalId" type="xs:string" />
        <xs:attribute name="primary" type="xs:boolean" />
        <xs:attribute name="displaySequence" type="xs:int" />
```

```xml
            <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
```

Extends: CreditCard

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this credit card should be considered the primary card for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NameCreditCardList: Simple collection object containing NameCreditCard objects.

```xml
<xs:complexType    name="NameCreditCardList">
    <xs:sequence>
      <xs:element name="NameCreditCard"
          type="tns:NameCreditCard"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameCreditCard	element	NameCreditCard	optional	Collection member.

Address: A single guest address object.

```xml
<xs:complexType name="Address">
    <xs:sequence>
        <xs:element name="AddressLine" type="xs:string" minOccurs="0"
          maxOccurs="5"
    />
        <xs:element name="cityName" type="xs:string" minOccurs="0" />
        <xs:element name="stateProv" type="xs:string" minOccurs="0" />
        <xs:element name="counrtyCode" type="xs:string" minOccurs="0"
          />
        <xs:element name="postalCode" type="xs:string" minOccurs="0" />
```

```
        </xs:sequence>
        <xs:attribute name="addressType" type="xs:string" />
        <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AddressLine	element	string collection	optional	Up to two (4) lines of the available five (5) lines will be recognized. All other lines will be ignored.
cityName	element	string	optional	City name associated with this address.
stateProv	element	string	optional	The state or province code associated with this address.
countryCode	element	string	optional	The ISO country code for this address.
postalCode	element	string	optional	The postal or zip code for this address.
addressType	attribute	string	optional	The address type associated with this address (i.e., H for HOME, B for business). This value is subject to conversion.
otherAddressType	attribute	string	not used	Reserved for future use.

NameAddress: Extended guest address class for use in Profile objects.

```
<xs:complexType name="NameAddress">
   <xs:complexContent>
      <xs:extension base="c:Address">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Address

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.

Name	Type	Data Type	Use	Comment
primary	attribute	boolean	optional	Used to indicate whether or not this address entity should be considered the primary address for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NameAddressList: Simple collection object containing NameCreditCard objects.

```xml
<xs:complexType    name="NameAddressList">
    <xs:sequence>
      <xs:element name="NameAddress"
          type="tns:NameAddress"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameAddress	element	NameAddress	optional	Collection member.

Phone: Complex type representing a phone number.

```xml
<xs:complexType name="Phone">
    <xs:choice>
      <xs:element name="PhoneNumber" type="xs:string" />
      <xs:element name="PhoneData">
        <xs:complexType>
          <xs:attribute name="countryAccessCode" type="xs:string" />
          <xs:attribute name="areaCode" type="xs:string" />
          <xs:attribute name="phoneNumber" type="xs:string" />
          <xs:attribute name="extension" type="xs:string" />
        </xs:complexType>
      </xs:element>
    </xs:choice>
    <xs:attribute name="phoneType" type="xs:string" />
    <xs:attribute name="phoneRole" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PhoneNumber	choice element	string	choice element	If component parts of a phone number are not know, then entire number may be represented as a single string.
PhoneData	choice element	ComplexType	choice element	PhoneData is one of the few embedded types within the schema set. It is used to represent a phone number available as a series of component parts.
PhoneData.countryAccessCode	attribute	string	optional	The country code associated with the phone number provided in the phoneNumber attribute.
PhoneData.areaCode	attribute	string	optional	The area code associated with the phone number provided in the phoneNumber attribute.
PhoneData.phoneNumber	attribute	string	required	The attribute used to hold the phone number itself if rendered using the PhoneData object.
PhoneData.extension	attribute	string	optional	The phone extension, if any, for this guest at the number specified.
phoneType	attribute	string	optional	The designated phone type. i.e., B = BusinessPhone. This value is subject to conversion.
phoneRole	attribute	string	not used	Reserved for future use.

NamePhone: Extended guest phone class for use in Profile objects.

```
<xs:complexType name="NamePhone">
   <xs:complexContent>
      <xs:extension base="c:Phone">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
```

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

Extends: Phone

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this phone entity should be considered the primary phone for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NamePhoneList: Simple collection object containing NamePhone objects.

```
<xs:complexType name="NamePhoneList">
    <xs:annotation>
      <xs:documentation>Collection of NamePhone</xs:documentation>
    </xs:annotation>
    <xs:sequence>
      <xs:element name="NamePhone" type="tns:NamePhone"
          minOccurs="0"  maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NamePhone	element	NamePhone	optional	Collection member.

Membership: Base membership type.

```
<xs:complexType name="Membership">
    <xs:sequence>
        <xs:element name="membershipType" type="xs:string"
        minOccurs="0" />
        <xs:element name="membershipNumber" type="xs:string" />
        <xs:element name="membershipLevel" type="xs:string"
```

```
            minOccurs="0" />
            <xs:element name="memberName" type="xs:string" minOccurs="0" />
            <xs:element name="effectiveDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="expirationDate" type="xs:date" minOccurs="0"
            />
            <xs:element name="currentPoints" type="xs:long" minOccurs="0"
            />
        </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	optional	The type of membership returned. Codes shall be agreed to trading partners prior to implementation of the interface.
membershipNumber	element	string	required	The actual membership number.
membershipLevel	element	string	optional	Membership level, i.e., Silver, Gold, Medallion, etc. Values, if used, must be agreed to by trading partners.
memberName	element	string	optional	The member name exactly as it appears on the membership card.
effectiveDate	element	date	optional	The date the membership becomes valid or effective.
expirationDate	element	date	optional	The date the membership becomes invalid or expires.
currentPoints	element	long	not used	Reserved for future use.

NameMembership: Extended guest membership class for use in Profile objects.

```
<xs:complexType    name="NameMembership">
    <xs:complexContent>
        <xs:extension base="c:Membership">
            <xs:attribute name="operaId" type="xs:long" />
            <xs:attribute name="externalId" type="xs:string" />
            <xs:attribute name="primary" type="xs:boolean" />
            <xs:attribute name="displaySequence" type="xs:int" />
            <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
        </xs:extension>
    </xs:complexContent>
</xs:complexType>
```

Extends: Membership

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this membership entity should be considered the primary membership for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministr atorAttriubutes	attributeGroup		not used	Reserved for future use.

NameMembershipList: Simple collection object containing NameMembership objects.

```
<xs:complexType    name="NameMembershipList">
    <xs:sequence>
      <xs:element name="NameMembership"
          type="tns:NameMembership"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameMembership	element	NameMembership	optional	Collection member.

13 Update Profile Segment

Sample UpdateProfileRequest Segment

The ProfileIDs must contain BOTH an internal (OPERA) and an external UniqueID.

```xml
<UpdateProfileRequest
  xmlns:n="http://webservices.micros.com/og/4.0/Name/"
  xmlns:c="http://webservices.micros.com/og/4.0/Common/"
  xmlns="http://webservices.micros.com/og/4.0/Name/">
  <n:Profile nameType="GUEST" protected="true" languageCode="" vipCode="">
    <n:ProfileIDs>
      <c:UniqueID type="EXTERNAL">188412</c:UniqueID>
      <c:UniqueID type="INTERNAL" source="KCLUB">29064</c:UniqueID>
    </n:ProfileIDs>
    <n:Customer>
     <n:PersonName>
      <c:firstName>JOHN</c:firstName>
      <c:lastName>Smith</c:lastName>
     </n:PersonName>
    </n:Customer>
    < n:Addresses>
      < n:NameAddress addressType="PROTECTED" primary="true">
        <c:AddressLine>111 Street</c:AddressLine>
        <c:cityName>Anytown</c:cityName>
        <c:stateProv>FL</c:stateProv>
        <c:postalCode> 99999</c:postalCode>
      </ n:NameAddress>
    </ n:Addresses>
  </n:Profile>
</UpdateProfileRequest>
```

Sample UpdateProfileResponse Segment

```xml
<UpdateProfileResponse
  xmlns:c="http://webservices.micros.com/og/4.0/Common/"
  xmlns:n="http://webservices.micros.com/og/4.0/Name/"
  xmlns="http://webservices.micros.com/og/4.0/Name/">
  < n:Result resultStatusFlag="SUCCESS">
    <c:IDs>
      <c:IDPair idType="PROFILE" operaId="29064" />
    </c:IDs>
  </ n:Result>
</UpdateProfileResponse>
```

Element Descriptions

UpdateProfileRequest: Updates an existing profile. The information sent will be overplayed over the existing data. The complete profile must be sent.

```
<xs:element    name="UpdateProfileRequest">
 <xs:complexType>
   <xs:sequence>
    <xs:element name="Profile" type="tns:Profile" />
   </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Profile	element	Profile	required	The object representation of a new Profile.

UpdateProfileResponse: Contains and wraps a single ResultStatus object.

```
<xs:element     name="UpdateProfileResponse">
    <xs:complexType>
      <xs:sequence>
         <xs:element name="Result" type="c:ResultStatus" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	Encapsulates the success indicator, as well as error and warning messages, if any.

Profile: Full representation of a guest profile.

```
<xs:complexType name="Profile">
    <xs:sequence>
      <xs:element name="ProfileIDs" type="c:UniqueIDList" minOccurs="0" />
      <xs:choice>
        <xs:element name="Customer" type="tns:Customer" />
        <xs:element name="Company" type="tns:Company" />
      </xs:choice>
      <xs:element name="CreditCards"
          type="tns:NameCreditCardList"  minOccurs="0"
          />
      <xs:element name="Addresses" type="tns:NameAddressList" minOccurs="0"
          />
      <xs:element name="Blacklist" type="tns:BlackList" minOccurs="0" />
      <xs:element name="Phones" type="tns:NamePhoneList" minOccurs="0" />
      <xs:element name="Preferences" type="tns:PreferenceList"
      minOccurs="0"
          />
      <xs:element name="Memberships"
          type="tns:NameMembershipList"  minOccurs="0" />
```

```
    <xs:element name="NegotiatedRates"
        type="tns:NegotiatedRateList"  minOccurs="0" />
    <xs:element name="Comments" type="tns:CommentList" minOccurs="0" />
    <xs:element name="UserDefinedValues"
        type="c:UserDefinedValueList"  minOccurs="0" />
</xs:sequence>
<xs:attribute name="nameType" type="xs:string" />
<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 ref="c:RecordAdministratorAttributes" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ProfileIDs	element	UniqueIDList	required	Operationally required in this context. Will contain at least one valid profile ID.
Customer	choice element	Customer	choice element	Represents the named individual portion of a guest profile. In the context of this interface, this will be the only allowable / populated choice element.
CompanyInfo	choice element	CompanyInfo	not used	Reserved for future use.
CreditCards	element	NameCreditCardList	optional	Collection of credit cards associated with this guest.
Addresses	element	NameAddressList	optional	Collection of name addresses associated with this guest.
BlackList	element	BlackList	not used	Reserved for future use.
Phones	element	NamePhoneList	optional	Collection of phone numbers associated with this guest.
Preferences	element	PreferenceList	not used	Reserved for future use.
Membership	element	NameMembershipList	optional	Collection of memberships associated with this guest.
NegotiatedRates	element	NegotiatedRateList	not used	Reserved for future use.
Comments	element	CommentList	not used	Reserved for future use.
UserDefinedValues	element	UserDefinedValueList	not used	Reserved for future use.
nameType	attribute	string	required	The type of profile contained within. In this context, will be fixed value of GUEST.

Name	Type	Data Type	Use	Comment
languageCode	attribute	string	optional	The primary language spoken by guest, if known.
nationality	attribute	string	optional	The nationality of the guest, if known.
vipCode	attribute	string	optional	VIP status or code associated with this guest.
taxExempt	attribute	boolean	optional	Indicates the tax exempt status of this guest.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

UniqueIDList: Simple collection object containing UniqueID objects. Used throughout the interface to represent various ID values.

```
<xs:complexType name="UniqueIDList">
     <xs:sequence>
          <xs:element name="UniqueID" type="tns:UniqueID"
          minOccurs="0"  maxOccurs="unbounded" />
     </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
UniqueID	element	UniqueID	required	Collection of UniqueID objects. Include 1 item that is INTERNAL and contains the OPERA unique identifier as well as 1 item that is EXTERNAL and contains the External System identifier.

UniqueID: The UniqueID in the context of an UpdateProfile, must contain the unique identifier of the profile that will be updated. When updating an OPERA profile, you will have two objects, one INTERNAL and one EXTERNAL that contain the identifiers for each respective system.

```
    <xs:complexType
  name="UniqueID">
 <xs:simpleContent>
       <xs:extension base="xs:string">
            <xs:attribute name="type" type="tns:UniqueIDType"
            use="required" />
            <xs:attribute name="source" type="xs:string" />
       </xs:extension>
 </xs:simpleContent>
```

```
</xs:complexType>
```

Extends: xs:string

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	The UniqueIDType (INTERNAL or EXTERNAL) that defines the base type. INTERNAL always represents the OPERA internal value.
source	attribute	xs:string	optional	In this context (Profile ID), this value may be omitted if the ID represented is INTERNAL as profiles are not unique to any specific property in OPERA. If this element represents an EXTERNAL ID, this value is required.
Text	Text	xs:string	required	The actual ID value to be passed. This is the actual value modified by the attributes type and source.

PersonName: Encapsulation of a single guest's name. In this context, used in Customer object.

```
<xs:complexType name="PersonName">
    <xs:sequence>
        <xs:element name="nameTitle" type="xs:string"
  minOccurs="0"  maxOccurs="unbounded" />
        <xs:element name="firstName" type="xs:string" minOccurs="0" />
        <xs:element name="middleName" type="xs:string"
  minOccurs="0"  maxOccurs="unbounded" />
        <xs:element name="lastName" type="xs:string" />
        <xs:element name="nameSuffix" type="xs:string"
  minOccurs="0"  maxOccurs="unbounded" />
    </xs:sequence>
    <xs:attribute name="nameOrdered" type="xs:string" />
    <xs:attribute name="familiarName" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
nameTitle	element	string collection	optional	The name title, such as Mr. or Mrs. Only the first value is recognized or used. All others reserved for future use.

Name	Type	Data Type	Use	Comment
firstName	element	string collection	optional	Guest first name. Only the first value is recognized or used. All others reserved for future use.
middleName	element	string collection	optional	Guest middle name. Only the first value is recognized or used. All others reserved for future use.
lastName	element	string	required	Guest last name. This element represents the only required element in the Profile object.
nameSuffix	element	string collection	optional	Name suffix, such as Jr., Sr., etc. Only the first value in the collection is recognized or used. All others are reserved for future use.
nameOrdered	attribute	string	not used	Not used.
familiarName	attribute	string	not used	Not used.

GovernmentID: Government IDs typically represent some form of state issued identification. Examples include Passports, State driver's license or State issued photo ID.

```
<xs:complexType name="GovernmentID">
    <xs:attribute name="documentType" type="xs:string" />
    <xs:attribute name="documentNumber" type="xs:string" />
    <xs:attribute name="effectiveDate" type="xs:date" />
    <xs:attribute name="expirationDate" type="xs:date" />
    <xs:attribute name="placeOfIssue" type="xs:string" />
    <xs:attribute name="countryOfIssue" type="xs:string" />
/xs:complexType>
```

Name	Type	Data Type	Use	Comment
documentType	attribute	string	optional	Optional text field used to identify the type of government ID contained. While marked as optional failure to include this parameter may render the contained ID invalid unless prior agreement is reached among trading partners with regard to the meaning of an empty documentType. Use of this attribute is strongly recommended. Value must be agreed to by trading partners.
documentNumber	attribute	string	required	The actual identification number for the government ID as issued by the issuing authority.
effectiveDate	attribute	date	optional	The date that the represented ID becomes effective or valid.
expirationDate	attribute	date	optional	The date that the represented ID expires or becomes invalid.
placeOfIssue	attribute	string	optional	The place of issue, if known. For state or provincial ID types, the state or province code is inserted here as well.
countryOfIssue	attribute	string	optional	The country of issuance. For state or provincially issued IDs, this value would be the parent country.

GovernmentIDList: Simple collection object containing GovernmentID objects.

```
<xs:complexType    name="GovernmentIDList">
  <xs:sequence>
    <xs:element name="GovernmentID"
      type="tns:GovernmentID"  minOccurs="0"
      maxOccurs="unbounded" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GovernmentID	element	GovernmentID	optional	Collection member. By rule, in this collection, the container collection object may be rendered empty.

Gender: Simple enumeration type for gender.

```
  <xs:simpleType name="Gender">
    <xs:restriction base="xs:string">
      <xs:enumeration value="FEMALE" />
      <xs:enumeration value="MALE" />
      <xs:enumeration value="UNKNOWN" />
    </xs:restriction>
</xs:simpleType>
```

Base Type: xs:string

Value	Type	Comment
FEMALE	enumeration	Guest is female.
MALE	enumeration	Guest is male.
UNKNOWN	enumeration	Guest gender is unknown.

Customer: Contains the named guest elements / IDs (as opposed to a Company or TA profile entity). In this interface, only the Customer object is used in the Customer/CompanyInfo choice element.

```
<xs:complexType name="Customer">
    <xs:sequence>
      <xs:element name="PersonName" type="c:PersonName" />
      <xs:element name="BusinessTitle" type="xs:string" minOccurs="0" />
      <xs:element name="GovernmentIDList"
          type="c:GovernmentIDList"  minOccurs="0" />
    </xs:sequence>
    <xs:attribute name="gender" type="c:Gender" />
    <xs:attribute name="birthDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PersonName	element	PersonName	required	Encapsulates guest name.
BusinessTitle	element	string	optional	Simple string indicating guest title. i.e., "Sr. Software Engineer".
GovernmentIDList	element	GovernmentIDList	optional	Collection of all government ID values associated with this guest.

Name	Type	Data Type	Use	Comment
gender	attribute	Gender	optional	The guest's gender, if known.
birthDate	attribute	DateTime	optional	The guest's birth date, if known.

CreditCard: The base type for all credit cards.

```
<xs:complexType name="CreditCard">
    <xs:sequence>
      <xs:element name="cardCode" type="xs:string" />
      <xs:element name="cardHolderName" type="xs:string" minOccurs="0" />
      <xs:element name="cardNumber" type="xs:string" />
      <xs:element name="seriesCode" type="xs:string" minOccurs="0" />
      <xs:element name="effectiveDate" type="xs:date" minOccurs="0" />
      <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>
```

Name	Type	Data Type	Use	Comment
cardCode	element	string	required	The actual credit card issuer code, i.e., VA for VI or Visa, MC for MasterCard, etc.
cardHolderName	element	string	optional	The card holder name exactly as it appears on the credit card.
cardNumber	element	string	required	The credit card number.
seriesCode	element	string	not used	Reserved for future use.
effectiveDate	element	date	optional	The effective date of the card, if any.
expirationDate	element	date	required	Credit card expiration date.
cardType	attribute	string	optional	The type of card, i.e., Credit, Debit, Voucher, etc.
otherCardType	attribute	string	not used	Reserved for future use.

NameCreditCard: Extended credit card class for use in Profile objects.

```
<xs:complexType    name="NameCreditCard">
   <xs:complexContent>
      <xs:extension base="c:CreditCard">
        <xs:attribute name="operaId" type="xs:long" />
        <xs:attribute name="externalId" type="xs:string" />
        <xs:attribute name="primary" type="xs:boolean" />
        <xs:attribute name="displaySequence" type="xs:int" />
        <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: CreditCard

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this credit card should be considered the primary card for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministratorAttriubutes	attributeGroup		not used	Reserved for future use.

NameCreditCardList: Simple collection object containing NameCreditCard objects.

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

Name	Type	Data Type	Use	Comment
NameCreditCard	element	NameCreditCard	optional	Collection member.

Address: A single guest address object.

```
<xs:complexType name="Address">
   <xs:sequence>
      <xs:element name="AddressLine" type="xs:string" minOccurs="0"
      maxOccurs="5" />
      <xs:element name="cityName" type="xs:string" minOccurs="0" />
      <xs:element name="stateProv" type="xs:string" minOccurs="0" />
      <xs:element name="counrtyCode" type="xs:string" minOccurs="0" />
      <xs:element name="postalCode" type="xs:string" minOccurs="0" />
   </xs:sequence>
   <xs:attribute name="addressType" type="xs:string" />
   <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AddressLine	element	string collecti on	optional	Up to two (4) lines of the available five (5) lines will be recognized. All other lines will be ignored.
cityName	element	string	optional	City name associated with this address.
stateProv	element	string	optional	The state or province code associated with this address.
countryCode	element	string	optional	The ISO country code for this address.
postalCode	element	string	optional	The postal or zip code for this address.
addressType	attribute	string	optional	The address type associated with this address (i.e., H for HOME, B for business). This value is subject to conversion.
otherAddressType	attribute	string	not used	Reserved for future use.

NameAddress: Extended guest address class for use in Profile objects.

```
<xs:complexType name="NameAddress">
   <xs:complexContent>
      <xs:extension base="c:Address">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Address

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
primary	attribute	boolean	optional	Used to indicate whether or not this address entity should be considered the primary address for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdministr atorAttriubutes	attributeGroup		not used	Reserved for future use.

NameAddressList: Simple collection object containing NameCreditCard objects.

```
<xs:complexType    name="NameAddressList">
    <xs:sequence>
      <xs:element name="NameAddress"
          type="tns:NameAddress"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameAddress	element	NameAddress	optional	Collection member.

Phone: Complex type representing a phone number.

```
<xs:complexType name="Phone">
    <xs:choice>
      <xs:element name="PhoneNumber" type="xs:string" />
      <xs:element name="PhoneData">
        <xs:complexType>
          <xs:attribute name="countryAccessCode" type="xs:string" />
          <xs:attribute name="areaCode" type="xs:string" />
          <xs:attribute name="phoneNumber" type="xs:string" />
          <xs:attribute name="extension" type="xs:string" />
        </xs:complexType>
      </xs:element>
    </xs:choice>
    <xs:attribute name="phoneType" type="xs:string" />
    <xs:attribute name="phoneRole" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PhoneNumber	choice element	string	choice element	If component parts of a phone number are not know, then entire number may be represented as a single string.
PhoneData	choice element	ComplexType	choice element	PhoneData is one of the few embedded types within the schema set. It is used to represent a phone number available as a series of component parts.

PhoneData.countryAccessCode	attribute	string	optional	The country code associated with the phone number provided in the phoneNumber attribute.
PhoneData.areaCode	attribute	string	optional	The area code associated with the phone number provided in the phoneNumber attribute.
PhoneData.phoneNumber	attribute	string	required	The attribute used to hold the phone number itself if rendered using the PhoneData object.
PhoneData.extension	attribute	string	optional	The phone extension, if any, for this guest at the number specified.
phoneType	attribute	string	optional	The designated phone type. i.e., B = BusinessPhone. This value is subject to conversion.
phoneRole	attribute	string	not used	Reserved for future use.

NamePhone: Extended guest phone class for use in Profile objects.

```
<xs:complexType name="NamePhone">
   <xs:complexContent>
      <xs:extension base="c:Phone">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends: Phone

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use,
externalId	attribute	string	not used	Reserved for future use,

primary	attribute	boolean	optional	Used to indicate whether or not this phone entity should be considered the primary phone for this guest.
displaySequence	attribute	integer	not used	Reserved for future use,
RecordAdminist ratorAttriubutes	attributeGro up		not used	Reserved for future use,

NamePhoneList: Simple collection object containing NamePhone objects.

```
<xs:complexType name="NamePhoneList">
    <xs:annotation>
      <xs:documentation>Collection of NamePhone</xs:documentation>
    </xs:annotation>
    <xs:sequence>
      <xs:element name="NamePhone" type="tns:NamePhone"
          minOccurs="0"  maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NamePhone	element	NamePhone	optional	Collection member.

Membership: Base membership type.

```
<xs:complexType name="Membership">
    <xs:sequence>
        <xs:element name="membershipType" type="xs:string"
        minOccurs="0" />
        <xs:element name="membershipNumber" type="xs:string" />
        <xs:element name="membershipLevel" type="xs:string"
        minOccurs="0" />
        <xs:element name="memberName" type="xs:string" minOccurs="0" />
        <xs:element name="effectiveDate" type="xs:date" minOccurs="0"
        />
        <xs:element name="expirationDate" type="xs:date" minOccurs="0"
        />
        <xs:element name="currentPoints" type="xs:long" minOccurs="0"
        />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	optional	The type of membership returned. Codes shall be agreed to trading partners prior to implementation of the interface.
membershipNumbe r	element	string	required	The actual membership number.

membershipLevel	element	string	optional	Membership level, i.e., Silver, Gold, Medallion, etc. Values, if used, must be agreed to by trading partners.
memberName	element	string	optional	The member name exactly as it appears on the membership card.
effectiveDate	element	date	optional	The date the membership becomes valid or effective.
expirationDate	element	date	optional	The date the membership becomes invalid or expires.
currentPoints	element	long	not used	Reserved for future use.

NameMembership: Extended guest membership class for use in Profile objects.

```
 <xs:complexType    name="NameMembership">
<xs:complexContent>
       <xs:extension base="c:Membership">
         <xs:attribute name="operaId" type="xs:long" />
         <xs:attribute name="externalId" type="xs:string" />
         <xs:attribute name="primary" type="xs:boolean" />
         <xs:attribute name="displaySequence" type="xs:int" />
         <xs:attributeGroup ref="c:RecordAdministratorAttributes" />
</xs:extension>
</xs:complexContent>
</xs:complexType>
```

Extends: Membership

Name	Type	Data Type	Use	Comment
operaId	attribute	string	not used	Reserved for future use.
externalId	attribute	string	not used	Reserved for future use.
Primary	attribute	boolean	optional	Used to indicate whether or not this membership entity should be considered the primary membership for this guest.
displaySequence	attribute	integer	not used	Reserved for future use.
RecordAdminist ratorAttriubutes	attributeGr oup		not used	Reserved for future use.

NameMembershipList: Simple collection object containing NameMembership objects.

```
 <xs:complexType     name="NameMembershipList">
    <xs:sequence>
      <xs:element name="NameMembership"
          type="tns:NameMembership"  minOccurs="0"
          maxOccurs="unbounded" />
    </xs:sequence>
</xs:complexType>
```

Update Profile Segment

Name	Type	Data Type	Use	Comment
NameMembership	element	NameMembership	optional	Collection member.

14 Subscription Segment Definitions

Sample SubscriptionRequest Segment

```
<SubscriptionRequest xmlns:n="http://webservices.micros.com/og/4.0/Name/"
      xmlns:c="http://webservices.micros.com/og/4.0/Common/"
           xmlns="http://webservices.micros.com/og/4.0/Name/">
           < n:Subscription subscriptionAction="SUBSCRIBE">
           <n:ProfileIDs>
                 <c:UniqueID type="EXTERNAL" source="CONCEPT ">
                 188412
                 </ c:UniqueID>
                 <c:UniqueID type="INTERNAL">29064</ c:UniqueID>
           </n:ProfileIDs>
           </n:Subscription>
</SubscriptionRequest>
```

Sample SubscriptionResponse Segment

(Successful subscription)

```
<SubscriptionResponse xmlns:n="http://webservices.micros.com/og/4.0/Name/"
      xmlns:c="http://webservices.micros.com/og/4.0/Common/"
      xmlns="http://webservices.micros.com/og/4.0/Name/">

      < n:Result resultStatusFlag="SUCCESS"/>
</SubscriptionResponse>
```

(Unsuccessful subscription)

```
<SubscriptionResponse xmlns:n="http://webservices.micros.com/og/4.0/Name/"
      xmlns:c="http://webservices.micros.com/og/4.0/Common/"
      xmlns="http://webservices.micros.com/og/4.0/Name/">

      < n:Result resultStatusFlag="FAIL">
           <c:Text>
           <c:TextElement>internalID 29064:Subscribe:1-
      int_prof_subscription.update_subscription_db:
      Can't update profile
      subscription . Error: ORA-02291: integrity constraint
      (OGSMOKE252.NAME_SUBSCRIP_DATABASES_FK) violated
      - parent key not found
           </c:TextElement>
           </c:Text>
      </ n:Result>
</SubscriptionResponse>
```

Element Descriptions

SubscriptionRequest: Subscribes a profile for automatic updates.

```xml
<xs:element name="SubscriptionRequest">
 <xs:complexType>
   <xs:sequence>
     <xs:element name="Subscription" type="tns:Subscription" />
   </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Subscription	element	Subscription	required	A subscription record.

SubscriptionResponse: Contains and wraps a single ResultStatus object.

```xml
<xs:element    name="SubscriptionResponse">
    <xs:complexType>
      <xs:sequence>
          <xs:element name="Result" type="c:ResultStatus" />
      </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	Encapsulates the success indicator, as well as error and warning messages, if any.

Subscription: The subscription record used for subscribing a profile for automatic updates.

```xml
<xs:complexType name="Subscription">
  <xs:sequence>
 <xs:element name="ProfileIDs" type="c:UniqueIDList"
                             />
  </xs:sequence>
  <xs:attribute name="subscriptionAction" type="c:SubscriptionAction"
  use="required" />
  <xs:attribute name="otherSubscriptionAction" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ProfileIDs	element	UniqueIDList	required	A list of unique identifiers that will be subscribed. Currently the list must contain the INTERNAL unique ID which is the OPERA identifier as well as an EXTERNAL unique ID which is the external system's identifier.
subscriptionAction	attribute	SubscriptionAction	required	An enumeration that indicates the action to be taken. At this point this is: SUBSCRIBE, UNSUBSCRIBE and OTHER, although OTHER is not being used.
otherSubscriptionAction	attribute	string	optional unless OTHER is sent	If OTHER is sent, include a textual description of the action to be taken.

UniqueIDList: Simple collection object containing UniqueID objects. Used throughout the interface to represent various ID values.

```
<xs:complexType name="UniqueIDList">
     <xs:sequence>
           <xs:element name="UniqueID" type="tns:UniqueID"
           minOccurs="0"  maxOccurs="unbounded" />
     </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
UniqueID	element	UniqueID	required	Collection of UniqueID objects. Include 1 item that is INTERNAL and contains the OPERA unique identifier as well as 1 item that is EXTERNAL and contains the External System identifier.

UniqueID: Indicates the unique identifier that is used for the attached record. This could be a profile ID, reservation ID, etc. In the context of a subscription, this represents the profile ID on either the INTERNAL or EXTERNAL systems.

```xml
    <xs:complexType
     name="UniqueID">
    <xs:simpleContent>
         <xs:extension base="xs:string">
              <xs:attribute name="type" type="tns:UniqueIDType"
              use="required" />
              <xs:attribute name="source" type="xs:string" />
         </xs:extension>
    </xs:simpleContent>
</xs:complexType>
```

Extends: xs:string

Name	Type	Data Type	Use	Comment
Type	attribute	UniqueIDType	required	The UniqueIDType (INTERNAL or EXTERNAL) that defines the base type. INTERNAL always represents the OPERA internal value.
Source	attribute	xs:string	optional	In this context (Profile ID), this value may be omitted if the ID represented is INTERNAL as profiles are not unique to any specific property in OPERA. If this element represents an EXTERNAL ID, this value is required.
Text	Text	xs:string	required	The actual ID value to be passed. This is the actual value modified by the attributes type and source.

SubscriptionAction: Defines the action that will be applied to the subscription record.

```xml
 <xs:simpleType    name="SubscriptionAction">
   <xs:restriction base="xs:string">
      <xs:enumeration value="OTHER" />
      <xs:enumeration value="SUBSCRIBE" />
      <xs:enumeration value="UNSUBSCRIBE" />
   </xs:restriction>
</xs:simpleType>
```

Name	Type	Data Type	Use	Comment
SubscriptionAction	SimpleType	string	required	Use Subscribe or Unsubscribe to subscribe or unsubscribe a profile respectively. Other is currently not used.