Opera **Hotel Edition**

Membership Messaging Specification for
Opera Web Suite Version 5.1 and Opera 3.0.0

Version 1.0.4

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Record of Changes

Date	Version	Description	Author
14 JAN 2004	1.0.0	Initial Release	P. Talabis
01 MAR 2004	1.0.1	Removed startDate and endDate filter attributes from FetchMembershipTransaction-Request element.	B. More
23 Sep 2004	1.0.2	Added the points expiration date to fetch transaction message	M. Kuklani
12 May 2005	1.0.3	• Corrected all references from 5.0 to 5.1 • Added FetchRateAwards section	E. Morgenstern
20 March 2006	1.0.4	• Added FetchProductAwards, FetchUpgradeAwards, FetchPromoSubscriptions, AddPromoSubscriptions, DeletePromoSubsciptions, FetchNextCardNumber	C.Dimitrov

Notes

WSDL document described by this document can be found at:

http://webservices.micros.com/ows/5.1/Membership.wsdl

Associated schema (XSD) documents can be found at:

http://webservices.micros.com/og/4.3/Core.xsd
http://webservices.micros.com/og/4.3/Common.xsd
http://webservices.micros.com/og/4.3/HotelCommon.xsd
http://webservices.micros.com/og/4.3/Membership.xsd

Membership Services

OWS contain web services that allow clients to access data on hotel loyalty programs. These API's are outlined in MembershipTransactions.WSDL and include functions to:

- retrieve membership cards
- retrieve transactions associated with a membership card
- retrieve a list of statements
- retrieve transactions covered under a statement
- retrieve membership awards

The sections that follow contain information on each of the services. Each section contains a description of the services and also describes the input and output parameters.

FetchMemberships

This service allows a client to retrieve a list of membership cards associated with an Opera profile Id. This function is available in the Name service as FetchGuestCardList.

FetchMembershipsRequest

This API allows clients to request for a list of membership cards associated with a guest profile ID in Opera. Below is a sample message:

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
       <OGHeader soap:mustUnderstand="1" transactionID="00043" timeStamp="2004-01-
15T10:19:05.8375000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
          <Origin entityID="ETC" systemType="WBE"/>
          <Destination entityID="TI" systemType="ORS"/>
       </OGHeader>
    </soap:Header>
    <soap:Body>
       <FetchMembershipsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
          <NameID type="INTERNAL">123456</NameID>
       </FetchMembershipsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchMembershipsRequest				

`<xs:element name="FetchMembershipsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
  `<xs:complexType>`
    `<xs:sequence>`
      `<xs:element name="NameID" type="c:UniqueID" />`
    `</xs:sequence>`
  `</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
NameID	element	UniqueID	required	Opera's internal name ID assigned to the profile.

NameID (UniqueID)

```
<xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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>
```

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	always has a value of INTERNAL
source	attribute	String	optional	not used in this context

FetchMembershipsResponse

This is the response to a FetchSegmentRequest. This contains a result status (that indicates if the call to the web-service resulted in a successful retrieval of data) and a list of membership IDs. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader soap:mustUnderstand="1" transactionID="00043" timeStamp="2004-01-
15T10:19:05.8375000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="ETC" systemType="WBE"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchMembershipsResponse xmlns:n="http://webservices.micros.com/og/4.3/Name/"
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result xsi:type="hc:GDSResultStatus" resultStatusFlag="SUCCESS"/>
         <NameMembershiphList>
            <n:NameMembership operaId="111222333" displaySequence="1"
insertUser="MJENKINS" insertDate="2003-11-07T00:00:00.0000000-05:00"
updateUser="JCOLLINS" updateDate="2004-11-22T00:00:00.0000000-05:00">
               <c:membershipType>PC</c:membershipType>
               <c:membershipNumber>987654321</c:membershipNumber>
               <c:membershipLevel>GOLD</c:membershipLevel>
               <c:memberName>Jack McFarlane</c:memberName>
               <c:expirationDate>2005-12-31</c:expirationDate>
               <c:currentPoints>28755</c:currentPoints>
            </n:NameMembership>
         </NameMembershiphList>
      </FetchMembershipsResponse>
   </soap:Body>
</soap:Envelope>
```

FetchMembershipsResponse				

`<xs:element name="FetchMembershipsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
  `<xs:complexType>`
    `<xs:sequence>`
      `<xs:element name="Result" type="c:ResultStatus" />`
      `<xs:element minOccurs="0" name="NameMembershiphList" type="nm:NameMembershipList" />`
    `</xs:sequence>`
  `</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
Result	element	ResultStatus	required	indicates success or failure
NameMembershiphList	element	NameMembershipList	optional	List of membership cards associated with the Opera internal ID.

Result (ResultStatus)

```
<xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" name="Text" type="tns:TextList" />
      <xs:element minOccurs="0" name="IDs" type="tns:IDPairList" />
   </xs:sequence>
   <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	if resultStatusFlag is FAIL, this will contain text describing the nature of the error.
IDs	element	IDPairList	optional	not used
resultStatusFlag	attribute	ResultStatusFlag	required	SUCCESS or FAIL

Text (TextList)

```
<xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	object containing error messages

TextElement (Text)

```
<xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
formatted	attribute	Boolean	optional	format indicator
language	attribute	Language	optional	language indicator

IDs (IDPairList)

```
<xs:complexType name="IDPairList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="IDPair" type="tns:IDPair" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
IDPair	element	IDPair	optional	not used

IDPair

```
<xs:complexType name="IDPair" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
idType	attribute	string	optional	not used
operaId	attribute	long	optional	not used
externalId	attribute	string	optional	not used

NameMembershiphList (NameMembershipList)

```
<xs:complexType name="NameMembershipList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="NameMembership"
type="tns:NameMembership" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
NameMembership	element	NameMembership	optional	object containing membership card info

NameMembership

```
<xs:complexType name="NameMembership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:complexContent mixed="false">
      <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	Long	required	Opera internal ID for the membership card
externalId	attribute	String	optional	not used
primary	attribute	Boolean	optional	indicates if this is the primary card.
displaySequence	attribute	Int	optional	display sequence
insertUser	attribute	String	optional	user ID of user who created the entry
insertDate	attribute	dateTime	optional	date of insertion
updateUser	attribute	String	optional	user who performed last update
updateDate	attribute	dateTime	optional	date of last update
inactiveDate	attribute	Date	optional	date when membership was placed on inactive status

Membership

```
<xs:complexType name="Membership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" name="membershipType" type="xs:string" />
      <xs:element name="membershipNumber" type="xs:string" />
      <xs:element minOccurs="0" name="membershipLevel" type="xs:string" />
      <xs:element minOccurs="0" name="memberName" type="xs:string" />
      <xs:element minOccurs="0" name="effectiveDate" type="xs:date" />
      <xs:element minOccurs="0" name="expirationDate" type="xs:date" />
      <xs:element minOccurs="0" name="currentPoints" type="xs:long" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	String	optional	membership card type
membershipNumber	element	String	required	membership number
membershipLevel	element	String	optional	membership level
memberName	element	String	optional	name on card

effectiveDate	element	Date	optional	effective date of membership
expirationDate	element	Date	optional	expiration date
currentPoints	element	Long	optional	current points held

FetchMembershipTransactions

By passing in a membership ID (internal ID from Opera) or membership card information (membership card type, membership number, level, etc), this API would return a list of transactions associated with the membership card. Optional parameters for begin and end dates would allow the clients to put a date range filter.

FetchMembershipTransactionsRequest

This is the request segment. This may contain an Opera internal ID associated with the target membership card or an object containing membership card information.   The example below shows a message that passes an Opera internal ID as an input parameters.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader soap:mustUnderstand="1" transactionID="000044" timeStamp="2004-01-15T10:19:06.0875000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="ETC" systemType="WBE"/>
         <Destination entityID="TI" systemType="ORS"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchMembershipTransactionsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <MembershipID type="INTERNAL">111222333</MembershipID>
      </FetchMembershipTransactionsRequest>
   </soap:Body>
</soap:Envelope>
```

FetchMembershipTransactionsRequest				
`<xs:element name="FetchMembershipTransactionsRequest"` `xmlns:xs="http://www.w3.org/2001/XMLSchema">` `<xs:complexType>` `<xs:choice>` `<xs:element name="MembershipID" type="c:UniqueID" />` `<xs:element name="Membership" type="c:Membership" />` `</xs:choice>` `</xs:complexType>` `</xs:element>`				
Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipID	element	UniqueID	required	an internal ID assigned by Opera to the membership card. This is required if the Membership object is not used.
Membership	element	Membership	required	An object containing membership card info. This is required if the MembershipID is not used.

MembershipID (UniqueID)
`<xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema">` `<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>
```

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	always INTERNAL
source	attribute	String	optional	not used

Membership

```
<xs:complexType name="Membership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="membershipType" type="xs:string" />
    <xs:element name="membershipNumber" type="xs:string" />
    <xs:element minOccurs="0" name="membershipLevel" type="xs:string" />
    <xs:element minOccurs="0" name="memberName" type="xs:string" />
    <xs:element minOccurs="0" name="effectiveDate" type="xs:date" />
    <xs:element minOccurs="0" name="expirationDate" type="xs:date" />
    <xs:element minOccurs="0" name="currentPoints" type="xs:long" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	String	optional	membership card type
membershipNumber	element	String	required	membership number
membershipLevel	element	String	optional	membership level
memberName	element	String	optional	name on card
effectiveDate	element	Date	optional	effective date of membership
expirationDate	element	Date	optional	expiration date
currentPoints	element	Long	optional	current points held

FetchMembershipTransactionsResponse

This is the response to a FetchMembershipTransactionsRequest. This return a list of transactions associated with the membership card. A sample message is as follows:

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader soap:mustUnderstand="1" transactionID="000044" timeStamp="2004-01-
15T10:19:06.0875000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="ETC" systemType="WBE"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchMembershipTransactionsResponse
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:m="http://webservices.micros.com/og/4.3/Membership/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result xsi:type="hc:GDSResultStatus" resultStatusFlag="SUCCESS"/>
         <MembershipTransactionList>
            <m:CardInfo operaId="111222333" displaySequence="1" insertUser="MJENKINS"
insertDate="2003-11-07T00:00:00.0000000-05:00" updateUser="JCOLLINS" updateDate="2004-
11-30T00:00:00.0000000-05:00">
               <c:membershipType>PC</c:membershipType>
               <c:membershipNumber>987654321</c:membershipNumber>
               <c:membershipLevel>GOLD</c:membershipLevel>
               <c:memberName>Jack McFarlane</c:memberName>
               <c:expirationDate>2005-12-31</c:expirationDate>
               <c:currentPoints>28755</c:currentPoints>
            </m:CardInfo>
            <m:MembershipTransaction postingDate="2003-11-30"
transactionTypeCode="ADJ" source="Survey Participation Bonus" referenceNumber="5642311"
startDate="2003-11-30" pointsCalculated="true" transactionId="5642311"
pointsExpirationDate="2004-11-30">
               <m:Points basePoints="0">0</m:Points>
            </m:MembershipTransaction>
            <m:MembershipTransaction postingDate="2003-11-26"
transactionTypeCode="STY" source="Le Grand Hotel, Paris" referenceNumber="1234561"
startDate="2003-11-23" endDate="2003-11-24" pointsCalculated="true" transactionId="5688894"
pointsExpirationDate="2004-11-30">
               <m:Points basePoints="250">0</m:Points>
               <m:Tsc baseRevenue="364.75" bonusRevenue="225" baseNights="1"
bonusNights="1" baseStay="1" bonusStay="1"/>
            </m:MembershipTransaction>
            <m:MembershipTransaction postingDate="2003-11-15"
transactionTypeCode="STY" source="Naples Beach Club" referenceNumber="652103A"
startDate="2003-11-15" endDate="2003-11-20" pointsCalculated="true" transactionId="5690002"
pointsExpirationDate="2004-11-30">
               <m:Points basePoints="750" miscPoints="500">0</m:Points>
```

```
                <m:Tsc baseRevenue="1364.77" bonusRevenue="1000" baseNights="5"
bonusNights="2" baseStay="1" bonusStay="1"/>
             </m:MembershipTransaction>
          </MembershipTransactionList>
        </FetchMembershipTransactionsResponse>
    </soap:Body>
</soap:Envelope>
```

FetchMembershipTransactionsResponse

```
<xs:element name="FetchMembershipTransactionsResponse"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:complexType>
      <xs:sequence>
         <xs:element name="Result" type="c:ResultStatus" />
         <xs:element minOccurs="0" name="MembershipTransactionList"
type="m:MembershipTransactionList" />
      </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	the result object indicating success or failure
MembershipTransactionList	element	MembershipTransactionList	optional	an object containing a list of transactions made against the membership card.

Result (ResultStatus)

```
<xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" name="Text" type="tns:TextList" />
      <xs:element minOccurs="0" name="IDs" type="tns:IDPairList" />
   </xs:sequence>
   <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	a list of text containing error or warning messages.
IDs	element	IDPairList	optional	not used
resultStatusFlag	attribute	ResultStatusFlag	required	SUCCESS or FAIL

Text (TextList)

```
<xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
TextElement	element	Text	Required	error or warning text

TextElement (Text)

```
<xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
formatted	attribute	Boolean	Optional	format indicator
language	attribute	Language	Optional	language indicator

IDs (IDPairList)

```
<xs:complexType name="IDPairList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" maxOccurs="unbounded" name="IDPair" type="tns:IDPair" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
IDPair	element	IDPair	Optional	not used

IDPair

```
<xs:complexType name="IDPair" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <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	Comment
idType	attribute	string	Optional	not used
operaId	attribute	long	Optional	not used
externalId	attribute	string	optional	not used

MembershipTransactionList

```
<xs:complexType name="MembershipTransactionList"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:annotation>
    <xs:documentation>represents a list of transactions made against a membership
account</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="CardInfo" type="nm:NameMembership" />
    <xs:element maxOccurs="unbounded" name="MembershipTransaction"
type="tns:MembershipTransaction" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
CardInfo	element	NameMembership	required	an object containing membership card information
MembershipTransaction	element	MembershipTransaction	required	object containing list of transactions

CardInfo (NameMembership)

```
<xs:complexType name="NameMembership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <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	Long	Required	Opera internal ID for the membership card
externalId	attribute	String	optional	not used
primary	attribute	Boolean	Optional	indicates if this is the primary card.
displaySequence	attribute	Int	Optional	display sequence
insertUser	attribute	String	optional	user ID of user who created the entry
insertDate	attribute	dateTime	Optional	date of insertion
updateUser	attribute	String	Optional	user who performed last update
updateDate	attribute	dateTime	Optional	date of last update
inactiveDate	attribute	Date	Optional	date when membership was placed on inactive status

Membership

```
<xs:complexType name="Membership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element minOccurs="0" name="membershipType" type="xs:string" />
        <xs:element name="membershipNumber" type="xs:string" />
        <xs:element minOccurs="0" name="membershipLevel" type="xs:string" />
        <xs:element minOccurs="0" name="memberName" type="xs:string" />
        <xs:element minOccurs="0" name="effectiveDate" type="xs:date" />
        <xs:element minOccurs="0" name="expirationDate" type="xs:date" />
        <xs:element minOccurs="0" name="currentPoints" type="xs:long" />
    </xs:sequence>
</xs:complexType>
```

Name	**Type**	**Data Type**	**Use**	**Comment**
membershipType	element	String	optional	membership card type
membershipNumber	element	String	required	membership number
membershipLevel	element	String	optional	membership level
memberName	element	String	optional	name on card
effectiveDate	element	Date	optional	effective date of membership
expirationDate	element	Date	optional	expiration date
currentPoints	element	Long	optional	current points held

MembershipTransaction

```
<xs:complexType name="MembershipTransaction" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:annotation>
        <xs:documentation>represents a transaction against a membership account.  This could be a points
award, points consumption, bonus, etc.</xs:documentation>
    </xs:annotation>
    <xs:all>
        <xs:element name="Points" type="tns:Points" />
        <xs:element minOccurs="0" name="Tsc" type="tns:Tsc" />
    </xs:all>
    <xs:attribute name="postingDate" type="xs:date" use="required" />
    <xs:attribute name="transactionTypeCode" type="xs:string" use="required" />
    <xs:attribute name="source" type="xs:string" />
    <xs:attribute name="referenceNumber" type="xs:string" />
    <xs:attribute name="startDate" type="xs:date" />
    <xs:attribute name="endDate" type="xs:date" />
    <xs:attribute name="pointsCalculated" type="xs:boolean" />
    <xs:attribute name="statementId" type="xs:string" />
    <xs:attribute name="transactionId" type="xs:string" />
```

```
    <xs:attribute name="pointsExpirationDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Points	element	Points	required	object containing points tally
Tsc	element	Tsc	optional	object containing information that can be used for upgrading / downgrading membership level based on no. of stays, points, or hotel room nights.
postingDate	attribute	Date	required	Date of posting
transactionTypeCode	attribute	String	required	type of transaction (a hotel stay, point awards from partner, adjustment, etc).
source	attribute	String	required	source of transaction. This could be a hotel name, a partner name or reason for adjustment
referenceNumber	attribute	String	required	a reference number (could be a hotel folio number, a reservation confirmation number, a reference ID used by program partners, etc)
startDate	attribute	Date	required	In the case of a hotel stay or a car rental, this is the arrival / pick-up date. In other cases, this is the date when the points were earned.
endDate	attribute	Date	optional	In the case of a hotel stay or a car rental, this is the departure date / return date. In other cases, this is left empty.
pointsCalculated	attribute	Boolean	optional	indicates if points were already calculated for this transaction. If not specified, assumed as true.
statementId	attribute	String	optional	the statement Id of the statement where this transaction is posted on. If not specified or empty, it is assumed that the transaction does not appear in any statement.
transactionId	attribute	String	required	an Opera internal Id assigned to the transaction
pointsExpirationDate	attribute	String	optional	The date on which the points will expire

Points
<xs:complexType name="Points" xmlns:xs="http://www.w3.org/2001/XMLSchema">   <xs:annotation>   <xs:documentation>represents the breakdown of points</xs:documentation>   </xs:annotation>   <xs:simpleContent>   <xs:extension base="xs:double">   <xs:attribute name="basePoints" type="xs:double" />

```
        <xs:attribute name="bonusPoints" type="xs:double" />
        <xs:attribute name="miscPoints" type="xs:double" />
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
basePoints	attribute	Double	optional	base points awarded from the transaction.
bonusPoints	attribute	Double	optional	bonus points
miscPoints	attribute	Double	optional	miscellaneous points

Tsc

```
<xs:complexType name="Tsc" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:annotation>
      <xs:documentation>represents the breakdown of TSC numbers</xs:documentation>
   </xs:annotation>
   <xs:attribute name="baseRevenue" type="xs:double" />
   <xs:attribute name="bonusRevenue" type="xs:double" />
   <xs:attribute name="baseNights" type="xs:int" />
   <xs:attribute name="bonusNights" type="xs:int" />
   <xs:attribute name="baseStay" type="xs:int" />
   <xs:attribute name="bonusStay" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
baseRevenue	attribute	Double	optional	actual revenue
bonusRevenue	attribute	Double	optional	bonus revenue
baseNights	attribute	Int	optional	actual nights
bonusNights	attribute	Int	optional	bonus nights
baseStay	attribute	Int	optional	no. of actual stays
bonusStay	attribute	Int	optional	bonus stays

FetchStatementRefs

In this API, the client is allowed to retrieve a list of statements associated with a membership card. The input can be an Opera internal ID or an object representing a membership card (containing card type card number, etc.). The response is a list of statement reference numbers and dates.

FetchStatementRefsRequest

This is the request message sent from a client. Below is a sample message containing an Opera internal ID as an input parameter.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader soap:mustUnderstand="1" transactionID="000045" timeStamp="2004-01-
15T10:19:06.1343750-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="ETC" systemType="WBE"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchStatementRefsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <MembershipID type="INTERNAL">6578579</MembershipID>
        </FetchStatementRefsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchStatementRefsRequest				

`<xs:element name="FetchStatementRefsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
`  <xs:complexType>`
`    <xs:choice>`
`      <xs:element name="MembershipID" type="c:UniqueID" />`
`      <xs:element name="Membership" type="c:Membership" />`
`    </xs:choice>`
`  </xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipID	element	UniqueID	required	an internal ID assigned by Opera to the membership card. This is required if the Membership object is not used.
Membership	element	Membership	required	An object containing membership card info. This is required if the Membership ID is not used.

MembershipID (UniqueID)

`<xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
`  <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>
```

Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	required	always INTERNAL
source	attribute	String	optional	not used

Membership

```
<xs:complexType name="Membership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="membershipType" type="xs:string" />
    <xs:element name="membershipNumber" type="xs:string" />
    <xs:element minOccurs="0" name="membershipLevel" type="xs:string" />
    <xs:element minOccurs="0" name="memberName" type="xs:string" />
    <xs:element minOccurs="0" name="effectiveDate" type="xs:date" />
    <xs:element minOccurs="0" name="expirationDate" type="xs:date" />
    <xs:element minOccurs="0" name="currentPoints" type="xs:long" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	String	optional	membership card type
membershipNumber	element	String	required	membership number
membershipLevel	element	String	optional	membership level
memberName	element	String	optional	name on card
effectiveDate	element	Date	optional	effective date of membership
expirationDate	element	Date	optional	expiration date
currentPoints	element	Long	optional	current points held

FetchStatementRefsResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader soap:mustUnderstand="1" transactionID="000045" timeStamp="2004-01-
15T10:19:06.1343750-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="ETC" systemType="WBE"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchStatementRefsResponse
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:m="http://webservices.micros.com/og/4.3/Membership/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result xsi:type="hc:GDSResultStatus" resultStatusFlag="SUCCESS"/>
         <StatementRefs>
            <m:StatementReferenceInfo statementId="628795" statementDate="2003-11-30"
membershipID="6578579"/>
            <m:StatementReferenceInfo statementId="642337" statementDate="2003-12-31"
membershipID="6578579"/>
            <m:StatementReferenceInfo statementId="669100" statementDate="2004-01-31"
membershipID="6578579"/>
         </StatementRefs>
      </FetchStatementRefsResponse>
   </soap:Body>
</soap:Envelope>
```

FetchStatementRefsResponse

```xml
<xs:element name="FetchStatementRefsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:complexType>
      <xs:sequence>
         <xs:element name="Result" type="c:ResultStatus" />
         <xs:element minOccurs="0" name="StatementRefs" type="m:StatementReferenceList" />
      </xs:sequence>
   </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	the result object indicating success or failure
StatementRefs	element	StatementReferenceList	optional	an object containing a list of statement reference information containing the statement ID and statement date

Result (ResultStatus)

```xml
<xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" name="Text" type="tns:TextList" />
```

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

Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	object containing error or warning messages
IDs	element	IDPairList	optional	not used
resultStatusFlag	attribute	ResultStatusFlag	required	SUCCESS or FAIL

Text (TextList)

```
<xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	error or warning text

TextElement (Text)

```
<xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
formatted	attribute	Boolean	optional	format indicator
language	attribute	Language	optional	language indicator

IDs (IDPairList)

```
<xs:complexType name="IDPairList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="IDPair" type="tns:IDPair" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
IDPair	element	IDPair	optional	not used

IDPair

```
<xs:complexType name="IDPair" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
idType	attribute	string	optional	not used
operaId	attribute	long	optional	not used
externalId	attribute	string	optional	not used

StatementRefs (StatementReferenceList)

```
<xs:complexType name="StatementReferenceList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="StatementReferenceInfo"
type="tns:StatementReference" />
```

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

Name	Type	Data Type	Use	Comment
StatementReferenceInfo	element	StatementReference	required	object containing basic statement information that can be used as reference

StatementReferenceInfo (StatementReference)

```
<xs:complexType name="StatementReference" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:attribute name="statementId" type="xs:integer" use="required" />
    <xs:attribute name="statementDate" type="xs:date" use="required" />
    <xs:attribute name="membershipID" type="xs:int" use="required" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
statementId	attribute	Integer	required	statement ID
statementDate	attribute	Date	required	statement date
membershipID	attribute	Int	required	Opera's internal membership ID

FetchStatement

As its name implies, this API allows a client to retrieve a hotel loyalty program statement. The input parameter is a StatementRef object that contains a statement ID, a statement date and the internal ID for the membership card. The return message contains a Statement object that lists all the transactions covered under the said statement as well as the related statement details (cut-off date, beginning balance, ending balance, etc.)

FetchStatementRequest

This message is sent by the client to request for a statement. As mentioned above, the input parameter is a StatementRef object. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader soap:mustUnderstand="1" transactionID="000045" timeStamp="2004-01-
15T10:19:06.1812500-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="ETC" systemType="WBE"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchStatementRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <StatementRef statementId="628795" statementDate="2003-11-30"
membershipID="6578579"/>
        </FetchStatementRequest>
    </soap:Body>
</soap:Envelope>
```

FetchStatementRequest				

`<xs:element name="FetchStatementRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
  `<xs:complexType>`
    `<xs:sequence>`
      `<xs:element name="StatementRef" type="m:StatementReference" />`
    `</xs:sequence>`
  `</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
StatementRef	element	StatementReference	required	an object containing information that is used as reference to the statement.

StatementRef (StatementReference)				

`<xs:complexType name="StatementReference" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
  `<xs:attribute name="statementId" type="xs:integer" use="required" />`
  `<xs:attribute name="statementDate" type="xs:date" use="required" />`
  `<xs:attribute name="membershipID" type="xs:int" use="required" />`
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
statementId	attribute	Integer	required	an Id assigned by Opera to the statement.

statementDate	attribute	Date	required	the date on the statement
membershipID	attribute	Int	required	the Opera internal ID assigned to the membership card

FetchStatementResponse

This is the response message to a *FetchStatementRequest*. This contains information about the statement as well as all the transaction covered under the statement. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader soap:mustUnderstand="1" transactionID="000045" timeStamp="2004-01-
15T10:19:06.1812500-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS"/>
      <Destination entityID="ETC" systemType="WBE"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchStatementResponse
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:m="http://webservices.micros.com/og/4.3/Membership/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
      <Result xsi:type="hc:GDSResultStatus" resultStatusFlag="SUCCESS"/>
      <Statement statementDate="2003-11-30" statementID="628795" startDate="2003-11-
01" endDate="2003-11-30" beginningBalance="25005" endingBalance="28755">
        <m:CardInfo operaId="111222333" displaySequence="1" insertUser="MJENKINS"
insertDate="2003-11-07T00:00:00.0000000-05:00" updateUser="JCOLLINS" updateDate="2004-
11-22T00:00:00.0000000-05:00">
          <c:membershipType>PC</c:membershipType>
          <c:membershipNumber>987654321</c:membershipNumber>
          <c:membershipLevel>GOLD</c:membershipLevel>
          <c:memberName>Jack McFarlane</c:memberName>
          <c:expirationDate>2005-12-31</c:expirationDate>
          <c:currentPoints>28755</c:currentPoints>
        </m:CardInfo>
        <m:MembershipTransaction postingDate="2003-11-30"
transactionTypeCode="ADJ" source="Survey Participation Bonus" referenceNumber="5642311"
startDate="2003-11-30" pointsCalculated="true" transactionId="5642311">
          <m:Points basePoints="0">0</m:Points>
        </m:MembershipTransaction>
        <m:MembershipTransaction postingDate="2003-11-26"
transactionTypeCode="STY" source="Le Grand Hotel, Paris" referenceNumber="1234561"
startDate="2003-11-23" endDate="2003-11-24" pointsCalculated="true"
transactionId="5688894">
          <m:Points basePoints="250">0</m:Points>
          <m:Tsc baseRevenue="364.75" bonusRevenue="225" baseNights="1"
bonusNights="1" baseStay="1" bonusStay="1"/>
        </m:MembershipTransaction>
        <m:MembershipTransaction postingDate="2003-11-15"
transactionTypeCode="STY" source="Naples Beach Club" referenceNumber="652103A"
startDate="2003-11-15" endDate="2003-11-20" pointsCalculated="true"
transactionId="5690002">
          <m:Points basePoints="750" miscPoints="500">0</m:Points>
```

```
                    <m:Tsc baseRevenue="1364.77" bonusRevenue="1000" baseNights="5"
bonusNights="2" baseStay="1" bonusStay="1"/>
                </m:MembershipTransaction>
                <m:noticeText>
                    <c:TextElement language="en">Your statement includes a credit of 1000 points
for your participation in our survey.  Thank you.</c:TextElement>
                </m:noticeText>
            </Statement>
        </FetchStatementResponse>
    </soap:Body>
</soap:Envelope>
```

FetchStatementResponse

```
<xs:element name="FetchStatementResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Result" type="c:ResultStatus" />
            <xs:element minOccurs="0" name="Statement" type="m:Statement" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	the result object indicating success or failure
Statement	element	Statement	optional	an object containing statement information

Result (ResultStatus)

```
<xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element minOccurs="0" name="Text" type="tns:TextList" />
        <xs:element minOccurs="0" name="IDs" type="tns:IDPairList" />
    </xs:sequence>
    <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	object containing error or warning text
IDs	element	IDPairList	optional	not used
resultStatusFlag	attribute	ResultStatusFlag	required	contains SUCCESS or FAIL

Text (TextList)

```
<xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	warning or error text

TextElement (Text)

```
<xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <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	Comment
formatted	attribute	Boolean	optional	format indicator
language	attribute	Language	optional	language indicator

IDs (IDPairList)

```
<xs:complexType name="IDPairList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="unbounded" name="IDPair" type="tns:IDPair" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
IDPair	element	IDPair	optional	not used

IDPair

```
<xs:complexType name="IDPair" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <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	Comment
idType	attribute	string	optional	not used
operaId	attribute	long	optional	not used
externalId	attribute	string	optional	not used

Statement

```
<xs:complexType name="Statement" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:complexContent mixed="false">
      <xs:extension base="tns:MembershipTransactionList">
         <xs:sequence>
            <xs:element minOccurs="0" name="noticeText" type="c:TextList" />
         </xs:sequence>
         <xs:attribute name="statementDate" type="xs:date" use="optional" />
         <xs:attribute name="statementID" type="xs:integer" use="optional" />
         <xs:attribute name="startDate" type="xs:date" use="required" />
         <xs:attribute name="endDate" type="xs:date" use="optional" />
         <xs:attribute name="beginningBalance" type="xs:float" use="required" />
         <xs:attribute name="endingBalance" type="xs:float" use="optional" />
      </xs:extension>
   </xs:complexContent>
</xs:complexType>
```

Extends	MembershipTransactionList			
Name	**Type**	**Data Type**	**Use**	**Comment**
statementDate	attribute	Date	optional	statement date
statementID	attribute	Integer	optional	statement ID
startDate	attribute	Date	required	statement period start date
endDate	attribute	Date	optional	statement period end date
beginningBalance	attribute	Float	required	statement's beginning balance
endingBalance	attribute	Float	optional	statement's ending balance

MembershipTransactionList

```
<xs:complexType name="MembershipTransactionList"
xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:annotation>
      <xs:documentation>represents a list of transcations made against a membership
account</xs:documentation>
   </xs:annotation>
```

```
    <xs:sequence>
        <xs:element name="CardInfo" type="nm:NameMembership" />
        <xs:element maxOccurs="unbounded" name="MembershipTransaction"
type="tns:MembershipTransaction" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
CardInfo	element	NameMembership	required	object containing membership card information
MembershipTransaction	element	MembershipTransaction	required	list of membership card transactions

CardInfo (NameMembership)

```
<xs:complexType name="NameMembership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexContent mixed="false">
        <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	Long	required	Opera internal ID for the membership card
externalId	attribute	String	optional	not used
primary	attribute	Boolean	optional	indicates if this is the primary card.
displaySequence	attribute	Int	optional	display sequence
insertUser	attribute	String	optional	user ID of user who created the entry
insertDate	attribute	dateTime	optional	date of insertion
updateUser	attribute	String	optional	user who performed last update
updateDate	attribute	dateTime	optional	date of last update
inactiveDate	attribute	Date	optional	date when membership was placed on inactive status

Membership

```
<xs:complexType name="Membership" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element minOccurs="0" name="membershipType" type="xs:string" />
        <xs:element name="membershipNumber" type="xs:string" />
        <xs:element minOccurs="0" name="membershipLevel" type="xs:string" />
        <xs:element minOccurs="0" name="memberName" type="xs:string" />
        <xs:element minOccurs="0" name="effectiveDate" type="xs:date" />
        <xs:element minOccurs="0" name="expirationDate" type="xs:date" />
        <xs:element minOccurs="0" name="currentPoints" type="xs:long" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	String	optional	membership card type
membershipNumber	element	String	required	membership number
membershipLevel	element	String	optional	membership level

memberName	element	String	optional	name on card
effectiveDate	element	Date	optional	effective date of membership
expirationDate	element	Date	optional	expiration date
currentPoints	element	Long	optional	current points held

MembershipTransaction

```
<xs:complexType name="MembershipTransaction" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:annotation>

    <xs:documentation>represents a transaction against a membership account.  This could be a points
award, points consumption, bonus, etc.</xs:documentation>
  </xs:annotation>
  <xs:all>
    <xs:element name="Points" type="tns:Points" />
    <xs:element minOccurs="0" name="Tsc" type="tns:Tsc" />
  </xs:all>
  <xs:attribute name="postingDate" type="xs:date" use="required" />
  <xs:attribute name="transactionTypeCode" type="xs:string" use="required" />
  <xs:attribute name="source" type="xs:string" />
  <xs:attribute name="referenceNumber" type="xs:string" />
  <xs:attribute name="startDate" type="xs:date" />
  <xs:attribute name="endDate" type="xs:date" />
  <xs:attribute name="pointsCalculated" type="xs:boolean" />
  <xs:attribute name="statementId" type="xs:string" />
  <xs:attribute name="transactionId" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Points	element	Points	required	object containing points tally
Tsc	element	Tsc	optional	object containing information that can be used for upgrading / downgrading membership level based on no. of stays, points, or hotel room nights.
postingDate	attribute	Date	required	Date of posting
transactionTypeCode	attribute	String	required	type of transaction (a hotel stay, point awards from partner, adjustment, etc).
source	attribute	String	required	source of transaction. This could be a hotel name, a partner name or reason for adjustment
referenceNumber	attribute	String	required	a reference number (could be a hotel folio number, a reservation confirmation number, a reference ID used by program partners, etc)
startDate	attribute	Date	required	In the case of a hotel stay or a car rental, this is the arrival / pick-up date. In other cases, this is the date when the points were earned.
endDate	attribute	Date	optional	In the case of a hotel stay or a car rental, this is the departure date / return date. In other cases, this is left empty.
pointsCalculated	attribute	boolean	optional	indicates if points were already

				calculated for this transaction.
statementId	attribute	String	required	the statement Id of the statement where this transaction is posted on.
transactionId	attribute	String	required	an Opera internal Id assigned to the transaction

Points

```
<xs:complexType name="Points" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:annotation>
      <xs:documentation>represents the breakdown of points</xs:documentation>
   </xs:annotation>
   <xs:simpleContent>
      <xs:extension base="xs:double">
         <xs:attribute name="basePoints" type="xs:double" />
         <xs:attribute name="bonusPoints" type="xs:double" />
         <xs:attribute name="miscPoints" type="xs:double" />
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
basePoints	attribute	Double	optional	base points awarded from the transaction
bonusPoints	attribute	Double	optional	bonus points
miscPoints	attribute	Double	optional	miscellaneous points

Tsc

```
<xs:complexType name="Tsc" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:annotation>
      <xs:documentation>represents the breakdown of TSC numbers</xs:documentation>
   </xs:annotation>
   <xs:attribute name="baseRevenue" type="xs:double" />
   <xs:attribute name="bonusRevenue" type="xs:double" />
   <xs:attribute name="baseNights" type="xs:int" />
   <xs:attribute name="bonusNights" type="xs:int" />
   <xs:attribute name="baseStay" type="xs:int" />
   <xs:attribute name="bonusStay" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
baseRevenue	attribute	Double	optional	actual revenue
bonusRevenue	attribute	Double	optional	bonus revenue
baseNights	attribute	Int	optional	actual nights
bonusNights	attribute	Int	optional	bonus nights
baseStay	attribute	Int	optional	no. of actual stays
bonusStay	attribute	Int	optional	bonus stays

FetchRateAwards

As its name implies, this API allows a client to retrieve the available awards. The input parameter is a FetchRateAwards object that requires a membership type, a membership level, a stay date range, and the number of rooms request. Optionally, input may also contain a points below value (return all awards equal to or below), a points above value (return all awards equal to or above), and a hotel list The return message contains a FetchRateAwards that lists all the information about a particular award.

FetchRateAwardRequest

This message is sent by the client to request for award availability.   As mentioned above, the input parameter is a FetchRateAwards object. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema"
xmlns:m="http://webservices.micros.com/og/4.3/Membership/">
    <soap:Header>
        <OGHeader soap:mustUnderstand="1" transactionID="000044" timeStamp="2004-01-
15T10:19:06.0875000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="ETC" systemType="WBE"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchRateAwardsRequest
xmlns:ml="http://webservices.micros.com/og/4.3/Membership/"
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <MembershipType>GC</MembershipType>
            <MembershipLevel>ELITE</MembershipLevel>
            <StayDateRange>
                <hc:StartDate>2005-05-11T00:00:00.000</hc:StartDate>
                <hc:EndDate>2005-05-12T00:00:00.000</hc:EndDate>
            </StayDateRange>
            <NumberOfRooms>2</NumberOfRooms>
            <PointsBelow>1000</PointsBelow>
            <PointsAbove>0</PointsAbove>
            <HotelReferences>
                <hc:HotelReference hotelCode="SEFIVE" chainCode="WC"/>
                <hc:HotelReference hotelCode="002" chainCode="CHA"/>
            </HotelReferences>
        </FetchRateAwardsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchRateAwardsRequest

`<xs:element name="FetchRateAwardsRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
`    <xs:complexType>`
`        <xs:sequence>`
`            <xs:element name="MembershipType" type="xs:string"/>`
`            <xs:element name="MembershipLevel" type="xs:string"/>`

```
            <xs:element name="StayDateRange" type="hc:TimeSpan"/>
            <xs:element name="NumberOfRooms" type="xs:int"/>
            <xs:element name="PointsBelow" type="xs:long"/>
            <xs:element name="PointsAbove" type="xs:long"/>
            <xs:element name="HotelReferences" type="hc:HotelReferenceList"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
MembershipType	element	String	required	The code of the membership. Award availability will be queired based on the code.
MembershipLevel	element	String	required	The level of the member. Award availability will be queried based on membership level.
StayDateRange	element	TimeSpan	required	The stay date range for which award availability shall be queried.
NumberOfRooms	element	Int	required	If not provided, a default value of one (1) will be assumed.
PointsBelow	element	Long	optional	If provided, will search for awards with point values equal to or below.
PointsAbove	element	Long	optional	If provided, will search for awards with point values equal to or above.
HotelReferences	Element	HotelReferenceList	optional	If provided, will query for awards to only the specified hotels.

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name="StartDate" type="xs:dateTime" />
      <xs:element name="EndDate" type="xs:dateTime" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	In this context represents the arrival date for which availability should be searched.
EndDate	element	dateTime	required	In this context represents the departure date for which availability should be searched.

HotelReferenceList

```
<xs:complexType name="HotelReferenceList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
```

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

Name	Type	Data Type	Use	Comment
HotelReference	element	HotelReference	required	Collection of HotelReference types.

HotelReference Root node value contains hotel full name (optional). Used for information purposes only. No attempt will be made to use the root value to identify a property or resort.

```
<xs:complexType name="HotelReference" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleContent>
    <xs:extension base="xs:string">
      <xs:attribute name="chainCode" type="xs:string" use="required" />
      <xs:attribute name="hotelCode" type="xs:string" use="required" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
chainCode	attribute	string	required	Chain code of resort identified.
hotelCode	attribute	string	required	The resort id code as defined in Opera (not the channel conversion resort).

FetchRateAwardsResponse

This is the response message to a *FetchRateAwardsRequest*. This contains information about the award. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader soap:mustUnderstand="1" transactionID="000044" timeStamp="2004-01-
15T10:19:06.0875000-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="TI" systemType="ORS"/>
            <Destination entityID="WEST" systemType="WBE"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchRateAwardsResponse xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <Result resultStatusFlag="SUCCESS"/>
            <RateAwardList>
                <RateAwardInfo xmlns="http://webservices.micros.com/og/4.3/Membership/">
                    <membershipType>GC</membershipType>
                    <awardType>AWSE5B</awardType>
                    <resort>SEFIVE</resort>
                    <rateCode>AWARD1</rateCode>
                    <points_required>1000</points_required>
                    <roomCategory>MHTQ</roomCategory>
                    <beginDate>2005-05-09</beginDate>
                    <endDate>2006-12-31</endDate>
                    <cancelPenaltyDays>0</cancelPenaltyDays>
                    <cancelPenaltyCharge>0</cancelPenaltyCharge>
                    <cancelPenaltyPoints>0</cancelPenaltyPoints>
                    <RateDescription>Award Rate 1000 Miles</RateDescription>
                    <RoomDescription>MHTQ</RoomDescription>
                </RateAwardInfo>
                <RateAwardInfo xmlns="http://webservices.micros.com/og/4.3/Membership/">
                    <membershipType>GC</membershipType>
                    <awardType>AWSE5C</awardType>
                    <resort>SEFIVE</resort>
                    <rateCode>AWARD1</rateCode>
                    <points_required>1000</points_required>
                    <roomCategory>STK</roomCategory>
                    <beginDate>2005-05-09</beginDate>
                    <endDate>2006-12-31</endDate>
                    <cancelPenaltyDays>1</cancelPenaltyDays>
                    <cancelPenaltyCharge>1000</cancelPenaltyCharge>
                    <cancelPenaltyPoints>1000</cancelPenaltyPoints>
                    <RateDescription>Award Rate 1000 Miles</RateDescription>
                    <RoomDescription>STK</RoomDescription>
                </RateAwardInfo>
            </RateAwardList>
        </FetchRateAwardsResponse>
    </soap:Body>
</soap:Envelope>
```

FetchRateAwardsResponse

```
<xs:element name="FetchRateAwardsResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Result" type="c:ResultStatus"/>
            <xs:element minOccurs="0" name="RateAwardList" type="m:RateAwardList"/>
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	ResultStatus	required	Standard result object.
RateAwardList	element	RateAwardList	required	Collection of Available Rate Awards

ResultStatus

```
<xs:complexType name="ResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element minOccurs="0" name="Text" type="tns:TextList" />
        <xs:element minOccurs="0" name="IDs" type="tns:IDPairList" />
    </xs:sequence>
    <xs:attribute name="resultStatusFlag" type="tns:ResultStatusFlag" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	Used to store any error or warning text associated with transaction.
IDs	element	IDPairList	optional	Not used in this context.
resultStatusFlag	attribute	ResultStatusFlag	required	Primary indication of success or failure of called function.

TextList

```
<xs:complexType name="TextList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	In this context, encapsulates text error message string(s).

Text In this context, root node value contains error string.

```
<xs:complexType name="Text" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <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	Comment
formatted	attribute	boolean	ignored	Not used in this context.
language	attribute	language	ignored	Not used in this context.

RateAwardList

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

Name	Type	Data Type	Use	Comment
RateAwardInfo	element	RateAward	required	Collection of Award types

RateAwardInfo

```
<xs:complexType name="RateAward">
 <xs:annotation>
  <xs:documentation>represents a membership award in the form of a rate code for a hotel stay</xs:documentation>
 </xs:annotation>
 <xs:sequence>
  <xs:element name="membershipType" type="xs:string"/>
  <xs:element name="awardType" type="xs:string"/>
  <xs:element name="resort" type="xs:string"/>
  <xs:element name="rateCode" type="xs:string"/>
  <xs:element name="pointsRequired" type="xs:double"/>
  <xs:element name="roomCategory" type="xs:string"/>
  <xs:element name="beginDate" type="xs:date" minOccurs="0"/>
  <xs:element name="endDate" type="xs:date" minOccurs="0"/>
  <xs:element name="cancelPenaltyDays" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyCharge" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyPoints" type="xs:double" minOccurs="0"/>
  <xs:element name="issueKey" type="xs:string" minOccurs="0"/>
  <xs:element name="issueKeyRaw" type="xs:base64Binary" minOccurs="0"/>
  <xs:element name="RateDescription" type="xs:string"/>
  <xs:element name="RoomDescription" type="xs:string"/>
 </xs:sequence>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	required	MembershipType code that is stored in Opera.
awardType	element	string	required	Award Code of the award
resort	element	string	required	Opera Resort ID (not channel conversion resortCode)
rateCode	element	string	required	Rate code that is attached to the awardType. Opera rateCode (not channel conversion rateCode)
pointsRequired	element	double	required	The points required for this rateCode.
roomCategory	element	string	required	Room code that is attached to the rateCode. Opera roomCode (not channel conversion roomCode)
beginDate	element	date	required	BeginDate of the awardType
endDate	element	date	required	EndDate of the awardType
cancelPenaltyDays	element	double	required	Cancellation days of the award
cancelPenaltyCharge	element	double	required	Cancellation penalty charge (dollar amt) if award is cancelled
cancelPenaltyPoints	element	double	required	Cancellation penalty charge (points) if award is cancelled
issueKey	element	string	not used	not used
issueKeyRaw	element	base64Binary	not used	not used
RateDescription	element	string	required	RateCode description as stored on Rate Header setup in Opera.

RoomDescription	element	string	required	RoomDescription as stored on Room Type setup in Opera.

FetchProductAwards

As its name implies, this API allows a client to retrieve the available awards. The input parameter is a FetchProductAwards object that requires a membership type, a membership level, a stay date range, and the number of rooms requested. The return message contains a FetchProductAwards that lists all the information about a particular award.

FetchProductAwardRequest

This message is sent by the client to request for award availability.   As mentioned above, the input parameter is a FetchProductAwards object. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="239141" timeStamp="2006-03-07T11:54:27.4894592-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="OWS" systemType="WEB"/>
            <Destination entityID="OWS" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchProductAwardsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <MembershipType>GC</MembershipType>
            <MembershipLevel>ELITE</MembershipLevel>
            <StayDateRange>
                <StartDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
07T00:00:00.0000000-05:00</StartDate>
                <EndDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
08T00:00:00.0000000-05:00</EndDate>
            </StayDateRange>
            <NumberOfRooms>1</NumberOfRooms>
        </FetchProductAwardsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchProductAwardsRequest				

`<xs:element name="FetchProductAwardsRequest">`
 `<xs:complexType>`
  `<xs:sequence>`
   `<xs:element name="MembershipType" type="xs:string"/>`
   `<xs:element name="MembershipLevel" type="xs:string"/>`
   `<xs:element name="StayDateRange" type="hc:TimeSpan"/>`
   `<xs:element name="NumberOfRooms" type="xs:int"/>`
  `</xs:sequence>`
 `</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipType	element	String	required	The code of the membership. Award availability will be queired based on the code.
MembershipLevel	element	String	required	The level of the member.

				Award availability will be queried based on membership level.
StayDateRange	element	TimeSpan	required	The stay date range for which award availability shall be queried.
NumberOfRooms	element	Int	required	If not provided, a default value of one (1) will be assumed.

TimeSpan
| ```xml
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="StartDate" type="xs:dateTime" />
    <xs:element name="EndDate" type="xs:dateTime" />
  </xs:sequence>
</xs:complexType>
``` |

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	In this context represents the arrival date for which availability should be searched.
EndDate	element	dateTime	required	In this context represents the departure date for which availability should be searched.

FetchProductAwardsResponse

This is the response message to a *FetchProductAwardsRequest*. This contains information about the award. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="239141" timeStamp="2006-03-07T11:54:27.4894592-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="OWS" systemType="ORS"/>
         <Destination entityID="OWS" systemType="WEB"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchProductAwardsResponse
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result resultStatusFlag="SUCCESS"/>
         <ProductAwardList>
            <ProductAwardInfo xmlns="http://webservices.micros.com/og/4.3/Membership/">
               <membershipType>GC</membershipType>
               <awardType>AWDBKF1</awardType>
               <resort>HBKC</resort>
               <product>AWBKF</product>
               <shortDescription>Award Breakfast</shortDescription>
               <points_required>100</points_required>
```

```
            <beginDate>2004-08-16</beginDate>
            <endDate>2014-08-16</endDate>
            <cancelPenaltyDays>1</cancelPenaltyDays>
            <cancelPenaltyCharge>10</cancelPenaltyCharge>
            <cancelPenaltyPoints>10</cancelPenaltyPoints>


    <issueKeyRaw>9VoIcOSrqgpfqyBJf1Ss/omjglW5nGGnClay5Xaz5mhTzqpA/vwxUB48sFg3xi
Kx8WJ1DVGMrU9C
MwkIKUg81A==</issueKeyRaw>
              </ProductAwardInfo>
          </ProductAwardList>
        </FetchProductAwardsResponse>
      </soap:Body>
</soap:Envelope>
```

FetchProductAwardsResponse				
<xs:element name="FetchProductAwardsResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" type="c:ResultStatus"/> <xs:element name="ProductAwardList" type="m:ProductAwardList" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>				
Name	**Type**	**Data Type**	**Use**	**Comment**
Result	element	ResultStatus	required	Standard result object.
ProductAwardList	element	ProductAwardList	required	Collection of Available Product Awards

ProductAwardList				
<xs:complexType name="ProductAwardList"> <xs:sequence> <xs:element name="ProductAwardInfo" type="tns:ProductAward" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType>				
Name	**Type**	**Data Type**	**Use**	**Comment**
ProductAwardInfo	element	ProductAward	required	Collection of Award types

ProductAward

```xml
<xs:complexType name="ProductAward">
 <xs:annotation>
  <xs:documentation>represents a membership award in the form of a product</xs:documentation>
 </xs:annotation>
 <xs:sequence>
  <xs:element name="membershipType" type="xs:string"/>
  <xs:element name="awardType" type="xs:string"/>
  <xs:element name="resort" type="xs:string"/>
  <xs:element name="product" type="xs:string"/>
  <xs:element name="shortDescription" type="xs:string"/>
  <xs:element name="pointsRequired" type="xs:double"/>
  <xs:element name="beginDate" type="xs:date" minOccurs="0"/>
  <xs:element name="endDate" type="xs:date" minOccurs="0"/>
  <xs:element name="cancelPenaltyDays" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyCharge" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyPoints" type="xs:double" minOccurs="0"/>
  <xs:element name="issueKey" type="xs:string" minOccurs="0"/>
  <xs:element name="issueKeyRaw" type="xs:base64Binary" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	required	MembershipType code that is stored in Opera.
awardType	element	string	required	Award Code of the award
resort	element	string	required	Opera Resort ID (not channel conversion resortCode)
product	element	string	required	Product code that is attached to the awardType. Opera package code
shortDescription	element	double	required	Product description that is attached to the product code.
pointsRequired	element	double	required	The points required for this product.
beginDate	element	date	required	BeginDate of the awardType
endDate	element	date	required	EndDate of the awardType
cancelPenaltyDays	element	double	required	Cancellation days of the award
cancelPenaltyCharge	element	double	required	Cancellation penalty charge (dollar amt) if award is cancelled
cancelPenaltyPoints	element	double	required	Cancellation penalty charge (points) if award is cancelled
issueKey	element	string	not used	not used
issueKeyRaw	element	base64Binary	not used	not used

FetchUpgradeAwards

As its name implies, this API allows a client to retrieve the available awards. The input parameter is a FetchUpgradeAwards object that requires a membership type, a membership level, a stay date range, and the number of rooms requested. The return message contains a FetchUpgradeAwards that lists all the information about a particular award.

FetchUpgradeAwardRequest

This message is sent by the client to request for award availability.   As mentioned above, the input parameter is a FetchUpgradeAwards object. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="182194" timeStamp="2006-03-14T03:41:44.8902192-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="OWSUI" systemType="WEB"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchUpgradeAwardsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
        <MembershipType>GC</MembershipType>
        <MembershipLevel>ELITE</MembershipLevel>
        <StayDateRange>
            <StartDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
14T00:00:00.0000000-05:00</StartDate>
            <EndDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
15T00:00:00.0000000-05:00</EndDate>
        </StayDateRange>
        <NumberOfRooms>1</NumberOfRooms>
        </FetchUpgradeAwardsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchUpgradeAwardsRequest				

`<xs:element name="FetchUpgradeAwardsRequest">`
 `<xs:complexType>`
  `<xs:sequence>`
   `<xs:element name="MembershipType" type="xs:string"/>`
   `<xs:element name="MembershipLevel" type="xs:string"/>`
   `<xs:element name="StayDateRange" type="hc:TimeSpan"/>`
   `<xs:element name="NumberOfRooms" type="xs:int"/>`
  `</xs:sequence>`
 `</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipType	element	String	required	The code of the membership. Award availability will be queired based on the code.
MembershipLevel	element	String	required	The level of the member.

				Award availability will be queried based on membership level.
StayDateRange	element	TimeSpan	required	The stay date range for which award availability shall be queried.
NumberOfRooms	element	Int	required	If not provided, a default value of one (1) will be assumed.

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name="StartDate" type="xs:dateTime" />
      <xs:element name="EndDate" type="xs:dateTime" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	In this context represents the arrival date for which availability should be searched.
EndDate	element	dateTime	required	In this context represents the departure date for which availability should be searched.

FetchUpgradeAwardsResponse

This is the response message to a *FetchUpgradeAwardsRequest*. This contains information about the award. Below is a sample message.

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="182194" timeStamp="2006-03-14T03:41:44.8902192-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="OWSUI" systemType="WEB"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchUpgradeAwardsResponse
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns:c="http://webservices.micros.com/og/4.3/Common/"
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result resultStatusFlag="SUCCESS"/>
         <UpgradeAwardList>
            <UpgradeAwardInfo xmlns="http://webservices.micros.com/og/4.3/Membership/">
               <membershipType>GC</membershipType>
               <awardType>UPD</awardType>
               <resort>028</resort>
               <fromRoomCategory>10063</fromRoomCategory>
               <toRoomCategory>10069</toRoomCategory>
               <fromRoomCategoryLabel>KING</fromRoomCategoryLabel>
```

```
                    <toRoomCategoryLabel>SKC</toRoomCategoryLabel>
                    <points_required>300</points_required>
                    <beginDate>2003-07-15</beginDate>
                    <endDate>2008-12-31</endDate>
                    <cancelPenaltyDays>0</cancelPenaltyDays>
                    <cancelPenaltyCharge>0</cancelPenaltyCharge>
                    <cancelPenaltyPoints>0</cancelPenaltyPoints>

        <issueKeyRaw>eEKQI/G4qR0msCthxzgSRWqt2zGmJN51GsBLbH62HG5qZMHY729Tsehm
FgSYiWb7YcbZEoeBtf/y
5zQb+zx1iw==</issueKeyRaw>
                </UpgradeAwardInfo>
            </UpgradeAwardList>
        </FetchUpgradeAwardsResponse>
    </soap:Body>
</soap:Envelope>
```

FetchUpgradeAwardsResponse				

`<xs:element name="FetchUpgradeAwardsResponse">`
`<xs:complexType>`
`<xs:sequence>`
`<xs:element name="Result" type="c:ResultStatus"/>`
`<xs:element name="UpgradeAwardList" type="m:UpgradeAwardList" minOccurs="0"/>`
`</xs:sequence>`
`</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
Result	element	ResultStatus	required	Standard result object.
UpgradeAwardList	element	UpgradeAwardList	required	Collection of Available Upgrade Awards

UpgradeAwardList				

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

Name	**Type**	**Data Type**	**Use**	**Comment**
UpgradeAwardInfo	element	UpgradeAward	required	Collection of Award types

UpgradeAward

```xml
<xs:complexType name="UpgradeAward">
 <xs:annotation>
  <xs:documentation>represents a membership award in the form of an room upgrade on a hotel
stay</xs:documentation>
 </xs:annotation>
 <xs:sequence>
  <xs:element name="membershipType" type="xs:string"/>
  <xs:element name="awardType" type="xs:string"/>
  <xs:element name="resort" type="xs:string"/>
  <xs:element name="fromRoomCategory" type="xs:string"/>
  <xs:element name="toRoomCategory" type="xs:string"/>
  <xs:element name="fromRoomCategoryLabel" type="xs:string"/>
  <xs:element name="toRoomCategoryLabel" type="xs:string"/>
  <xs:element name="pointsRequired" type="xs:double"/>
  <xs:element name="beginDate" type="xs:date" minOccurs="0"/>
  <xs:element name="endDate" type="xs:date" minOccurs="0"/>
  <xs:element name="cancelPenaltyDays" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyCharge" type="xs:double" minOccurs="0"/>
  <xs:element name="cancelPenaltyPoints" type="xs:double" minOccurs="0"/>
  <xs:element name="issueKey" type="xs:string" minOccurs="0"/>
  <xs:element name="issueKeyRaw" type="xs:base64Binary" minOccurs="0"/>
 </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
membershipType	element	string	required	MembershipType code that is stored in Opera.
awardType	element	string	required	Award Code of the award
resort	element	string	required	Opera Resort ID (not channel conversion resortCode)
fromRoomCategory	element	string	required	From previous Room code. Channel converted roomCode.
toRoomCategory	element	string	required	To next Room code. Channel converted roomCode
fromRoomCategoryLabel	element	string	required	From previous Room code. Opera roomCode (not channel conversion roomCode)
toRoomCategoryLabel	element	string	required	To next Room code. Opera roomCode (not channel conversion roomCode)
pointsRequired	element	double	required	The points required for this product.
beginDate	element	date	required	BeginDate of the awardType
endDate	element	date	required	EndDate of the awardType
cancelPenaltyDays	element	double	required	Cancellation days of the award
cancelPenaltyCharge	element	double	required	Cancellation penalty charge (dollar amt) if award is cancelled
cancelPenaltyPoints	element	double	required	Cancellation penalty charge (points) if award is cancelled
issueKey	element	string	not used	not used
issueKeyRaw	element	base64Binary	not used	not used

FetchPromoSubscriptions

FetchPromoSubscriptionsRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="194144" timeStamp="2006-03-14T03:47:57.7864176-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="OWSUI" systemType="WEB"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <FetchPromoSubscriptionsRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <MembershipId type="INTERNAL">27249</MembershipId>
        </FetchPromoSubscriptionsRequest>
    </soap:Body>
</soap:Envelope>
```

FetchPromoSubscriptionsRequest				
`<xs:element name="FetchPromoSubscriptionsRequest">` `<xs:complexType>` `<xs:sequence>` `<xs:element name="MembershipId" type="c:UniqueID"/>` `</xs:sequence>` `</xs:complexType>` `</xs:element>`				
Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipId	element	UniqueID	required	Opera internal ID for the membership card

UniqueID				
`<xs:complexType name="UniqueID" xmlns:xs="http://www.w3.org/2001/XMLSchema">` `<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>`				
Name	**Type**	**Data Type**	**Use**	**Comment**
type	attribute	UniqueIDType	required	always has a value of INTERNAL
source	attribute	String	optional	not used in this context

FetchPromoSubscriptionsResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="194144" timeStamp="2006-03-14T03:47:57.7864176-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="OWSUI" systemType="WEB"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchPromoSubscriptionsResponse
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result resultStatusFlag="SUCCESS"/>
         <PromotionSubscriptions MembershipId="27249">
            <PromotionSubscription
xmlns="http://webservices.micros.com/og/4.3/Membership/">
               <Code>TAMARA</Code>
               <Dates>
                  <StartDate
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2005-01-01T00:00:00.0000000-
05:00</StartDate>
                  <EndDate
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2005-07-31T00:00:00.0000000-
04:00</EndDate>
               </Dates>
               <Name>Tamara Profile Promotion Test</Name>
               <Status>ACTIVE</Status>
            </PromotionSubscription>
         </PromotionSubscriptions>
      </FetchPromoSubscriptionsResponse>
   </soap:Body>
</soap:Envelope>
```

FetchPromoSubscriptionsResponse				
<xs:element name="FetchPromoSubscriptionsResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" type="c:ResultStatus"/> <xs:element name="PromotionSubscriptions" type="m:PromotionSubscriptionList" minOccurs="0"/> </xs:sequence> </xs:complexType> </xs:element>				
Name	**Type**	**Data Type**	**Use**	**Comment**
Result	element	ResultStatus	required	Standard result object
PromotionSubscriptions	element	PromotionSubscriptionList	required	Collection of Available promotional subscriptions

PromotionSubscriptionList

```
<xs:complexType name="PromotionSubscriptionList">
 <xs:sequence>
  <xs:element name="PromotionSubscription" type="tns:Promotion" maxOccurs="unbounded"/>
 </xs:sequence>
 <xs:attribute name="MembershipId" type="xs:int" use="required"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PromotionSubscription	element	Promotion	required	Collection of promotion items
MembershipId	attribute	int	required	The membership id associated with current promotion item

Promotion

```
<xs:complexType name="Promotion">
 <xs:all>
  <xs:element name="Code" type="xs:string"/>
  <xs:element name="Dates" type="hc:TimeSpan" minOccurs="0"/>
  <xs:element name="Name" type="xs:string" minOccurs="0"/>
  <xs:element name="Status" type="tns:PromotionSubscriptionStatusType" minOccurs="0"/>
 </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Code	element	string	required	Promotion code
Dates	element	TimeSpan	required	A valid date period
Name	element	string	required	Promotion description
Status	element	PromotionSubscriptionStatusType	required	The membership promotion status

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
     <xs:element name="StartDate" type="xs:dateTime" />
     <xs:element name="EndDate" type="xs:dateTime" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	In this context represents the arrival date for which availability should be searched.
EndDate	element	dateTime	required	In this context represents the departure date for which availability should be searched.

PromotionSubscriptionStatusType

```
<xs:simpleType name="PromotionSubscriptionStatusType">
 <xs:restriction base="xs:string">
  <xs:enumeration value="ACTIVE"/>
  <xs:enumeration value="INACTIVE"/>
 </xs:restriction>
</xs:simpleType>
```

Name	Type	Data Type	Use	Comment
PromotionSubscriptionStatusType	enumeration	string		required	Promotion status type can be: - ACTIVE - INACTIVE

AddPromoSubscriptions

AddPromoSubscriptionsRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="94100" timeStamp="2006-03-14T04:21:42.9384432-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="OWSUI" systemType="WEB"/>
         <Destination entityID="TI" systemType="ORS"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <AddPromoSubscriptionRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <PromoSubscription>
            <MembershipId
xmlns="http://webservices.micros.com/og/4.3/Membership/">27998</MembershipId>
            <Promotion xmlns="http://webservices.micros.com/og/4.3/Membership/">
               <Code>TICK</Code>
               <Dates>
                  <StartDate
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-04-10T00:00:00.0000000-
04:00</StartDate>
               </Dates>
            </Promotion>
         </PromoSubscription>
      </AddPromoSubscriptionRequest>
   </soap:Body>
</soap:Envelope>
```

AddPromoSubscriptionsRequest

```xml
<xs:element name="AddPromoSubscriptionRequest">
 <xs:complexType>
  <xs:sequence>
   <xs:element name="PromoSubscription" type="m:PromotionSubscription"/>
  </xs:sequence>
 </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
PromoSubscription	element	PromotionSubscription	required	Promotional Subscription Item to be added/updated

PromotionSubscription

```xml
<xs:complexType name="PromotionSubscription">
 <xs:all>
  <xs:element name="MembershipId" type="xs:int"/>
  <xs:element name="Promotion" type="tns:Promotion"/>
 </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
MembershipId	element	int	required	The opera Id of the membership profile.

Promotion	element	Promotion	required	The Promotion Item to be added/updated

Promotion

```
<xs:complexType name="Promotion">
 <xs:all>
  <xs:element name="Code" type="xs:string"/>
  <xs:element name="Dates" type="hc:TimeSpan" minOccurs="0"/>
  <xs:element name="Name" type="xs:string" minOccurs="0"/>
  <xs:element name="Status" type="tns:PromotionSubscriptionStatusType" minOccurs="0"/>
 </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Code	element	string	required	Promotion code
Dates	element	TimeSpan	required	A valid date period
Name	element	string	optional	Promotion description
Status	element	PromotionSubscriptionStatusType	optional	The membership promotion status

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
     <xs:element name="StartDate" type="xs:dateTime" />
     <xs:element name="EndDate" type="xs:dateTime" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	In this context represents the arrival date for which availability should be searched.
EndDate	element	dateTime	required	In this context represents the departure date for which availability should be searched.

PromotionSubscriptionStatusType

```
<xs:simpleType name="PromotionSubscriptionStatusType">
 <xs:restriction base="xs:string">
  <xs:enumeration value="ACTIVE"/>
  <xs:enumeration value="INACTIVE"/>
 </xs:restriction>
</xs:simpleType>
```

Name	Type	Data Type	Use	Comment
PromotionSubscriptionStatusType	enumeration	string		required	Promotion status type can be: - ACTIVE - INACTIVE

AddPromoSubscriptionsResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="94100" timeStamp="2006-03-14T04:21:42.9384432-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="TI" systemType="ORS"/>
            <Destination entityID="OWSUI" systemType="WEB"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <AddPromoSubscriptionResponse
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <Result resultStatusFlag="SUCCESS"/>
        </AddPromoSubscriptionResponse>
    </soap:Body>
</soap:Envelope>
```

AddPromoSubscriptionsResponse				

`<xs:element name="AddPromoSubscriptionResponse">`
` <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	Standard result object

DeletePromoSubscriptions

DeletePromoSubscriptionsRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="154133" timeStamp="2006-03-14T04:28:19.9893744-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="OWSUI" systemType="WEB"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <DeletePromoSubscriptionRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <PromoSubscription>
                <MembershipId
xmlns="http://webservices.micros.com/og/4.3/Membership/">27998</MembershipId>
                <Promotion xmlns="http://webservices.micros.com/og/4.3/Membership/">
                    <Code>TICK</Code>
                </Promotion>
            </PromoSubscription>
        </DeletePromoSubscriptionRequest>
    </soap:Body>
</soap:Envelope>
```

DeletePromoSubscriptionsRequest				

`<xs:element name="DeletePromoSubscriptionRequest">`
`<xs:complexType>`
`<xs:sequence>`
`<xs:element name="PromoSubscription" type="m:PromotionSubscription"/>`
`</xs:sequence>`
`</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
PromoSubscription	element	PromotionSubscription	required	Opera internal ID for the membership card

PromotionSubscription				

`<xs:complexType name="PromotionSubscription">`
`<xs:all>`
`<xs:element name="MembershipId" type="xs:int"/>`
`<xs:element name="Promotion" type="tns:Promotion"/>`
`</xs:all>`
`</xs:complexType>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipId	element	int	required	The opera Id of the membership profile.
Promotion	element	Promotion	required	The Promotion Item to be added/updated

Promotion

```
<xs:complexType name="Promotion">
 <xs:all>
  <xs:element name="Code" type="xs:string"/>
  <xs:element name="Dates" type="hc:TimeSpan" minOccurs="0"/>
  <xs:element name="Name" type="xs:string" minOccurs="0"/>
  <xs:element name="Status" type="tns:PromotionSubscriptionStatusType" minOccurs="0"/>
 </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Code	element	string	required	Promotion code
Dates	element	TimeSpan	optional	A valid date period
Name	element	string	optional	Promotion description
Status	element	PromotionSubscriptionStatusType	optional	The membership promotion status

DeletePromoSubscriptionsResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
    <soap:Header>
        <OGHeader transactionID="154133" timeStamp="2006-03-14T04:28:19.9893744-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="TI" systemType="ORS"/>
            <Destination entityID="OWSUI" systemType="WEB"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <DeletePromoSubscriptionResponse
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
            <Result resultStatusFlag="SUCCESS"/>
        </DeletePromoSubscriptionResponse>
    </soap:Body>
</soap:Envelope>
```

DeletePromoSubscriptionsResponse

```
<xs:element name="DeletePromoSubscriptionResponse">
 <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	Standard result object

FetchNextCardNumber

FetchNextCardNumberRequest

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="138198" timeStamp="2006-03-14T04:34:59.6640784-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="OWSUI" systemType="WEB"/>
         <Destination entityID="TI" systemType="ORS"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchNextCardNumberRequest
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <MembershipCardType>GC</MembershipCardType>
      </FetchNextCardNumberRequest>
   </soap:Body>
</soap:Envelope>
```

FetchNextCardNumberRequest				

`<xs:element name="FetchNextCardNumberRequest">`
`<xs:complexType>`
`<xs:sequence>`
`<xs:element name="MembershipCardType" type="xs:string"/>`
`</xs:sequence>`
`</xs:complexType>`
`</xs:element>`				

Name	**Type**	**Data Type**	**Use**	**Comment**
MembershipCardType	element	string	required	The membership type for the membership card

FetchNextCardNumberResponse

```xml
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
   <soap:Header>
      <OGHeader transactionID="138198" timeStamp="2006-03-14T04:34:59.6640784-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
         <Origin entityID="TI" systemType="ORS"/>
         <Destination entityID="OWSUI" systemType="WEB"/>
      </OGHeader>
   </soap:Header>
   <soap:Body>
      <FetchNextCardNumberResponse
xmlns="http://webservices.micros.com/ows/5.1/Membership.wsdl">
         <Result resultStatusFlag="SUCCESS"/>
         <CardType>GC</CardType>
         <CardNumber>50007</CardNumber>
```

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

FetchNextCardNumberResponse				

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

Name	**Type**	**Data Type**	**Use**	**Comment**
Result	element	ResultStatus	required	Standard result object
CardType	element	string	required	Membership card type
CardNumber	element	string	required	Membership card number