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Opera **Hotel Edition**

Regional Availability Messaging Specification
for Opera Web Suite Version 5.1

Version 1.0.1

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Record of Changes

Date	Version	Description	Author
11 DEC 2003	1.0.0	Initial Release	B. More
22 SEP 2004	1.0.1	Update from 5.0 to 5.1. Request: Added - GeographicSearch (RegionalSearch/CityCode) Response: Added- HotelExtendedInformation	C. Mojica

Notes

WSDL document described by this document can be found at:

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

Associated schma (XSD) documenta 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/Availability.xsd

RegionalAvailability

RegionalAvailabilityRequest

```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="000032" timeStamp="2003-12-10T15:20:25.0368750-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="ETC" systemType="WBE"/>
            <Destination entityID="TI" systemType="ORS"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <RegionalAvailabilityRequest
xmlns:avl="http://webservices.micros.com/og/4.3/Availability/"
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/"
xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
            <RegionalSearchCode
regionalSearchCodeType="CITY">LONDON</RegionalSearchCode>
            <StayDateRange>
                <hc:StartDate>2003-12-10T00:00:00.0000000-05:00</hc:StartDate>
                <hc:EndDate>2003-12-13T00:00:00.0000000-05:00</hc:EndDate>
            </StayDateRange>
            <NumberOfRooms>1</NumberOfRooms>
            <NumberOfGuests>2</NumberOfGuests>
            <MinMaxRate minimumRate="100" maximumRate="500" currencyCode="GBP"/>
        </RegionalAvailabilityRequest>
    </soap:Body>
</soap:Envelope>
```

RegionalAvailabilityRequest

```xml
<xs:element name="RegionalAvailabilityRequest" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType>
        <xs:sequence>
            <xs:choice>
                <xs:element name="RegionalSearchCode" type="avl:RegionalSearchCode" />
                <xs:element name="HotelReferences" type="hc:HotelReferenceList" />
            </xs:choice>
            <xs:element name="StayDateRange" type="hc:TimeSpan" />
            <xs:element minOccurs="0" name="NumberOfRooms" type="xs:int" />
            <xs:element name="NumberOfGuests" type="xs:int" />
            <xs:element minOccurs="0" name="MinMaxRate" type="hc:MinMaxRate" />
        </xs:sequence>
    </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
RegionalSearchCode	element	RegionalSearchCode	choice/ required	Encapsulates regional search criteria to be applied.

HotelReferences	element	HotelReferenceList	choice/ required	If provided, supercede any other regional search parameters.
GeographicSearch	element	RegionalSearch	Choice/required	Defines the geographic boundaries within which to search for available hotels.
StayDateRange	element	TimeSpan	required	The stay date range for which availability shall be queried.
NumberOfRooms	element	int	optional	If not provided, a default value of one (1) will be assumed.
NumberOfGuests	element	int	required	The *total* number of guests across all rooms.
MinMaxRate	element	MinMaxRate	optional	Filters result set based upon provided minimum and/or maximum rate amount.

RegionalSearchCode Root node value contains the search value (required)

```
<xs:complexType name="RegionalSearchCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:simpleContent>
      <xs:extension base="xs:string">
         <xs:attribute name="regionalSearchCodeType" type="hc:RegionalSearchCodeType"
use="required" />
         <xs:attribute name="otherRegionalSearchCodeType" use="optional" />
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
regionalSearchCodeType	attribute	RegionalSearchCodeType	required	The type of search to perform. Enumerated values include CITY, CHAIN, CRO and OTHER.
otherRegionalSearchCodeType	attribute		optional	If OTHER is selected in the previous parameters, this field becomes operationally required.

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="optional" />
         <xs:attribute name="hotelCode" type="xs:string" use="required" />
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
chainCode	attribute	string	optional	Optional chain code of resort identified.
hotelCode	attribute	string	required	The resort id code properly converted (as required) for the source / proxy / merchant model specified in the header.

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name="StartDate" type="xs:dateTime" />
      <xs:choice>
         <xs:element name="EndDate" type="xs:dateTime" />
         <xs:element name="Duration" type="xs:duration" />
      </xs:choice>
   </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	choice/ required	Either this date (EndDate) must be provided or it will be calculated using the Duration element below. In either case, the date retrieved will represent the departure date for which availability should be searched.
Duration	element	duration	choice/ required	If provided, this value will be added to the StartDate element value to construct the EndDate. In this case, the date calculated will represent the departure date for which availability should be searched.

MinMaxRate

```
<xs:complexType name="MinMaxRate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:attribute name="minimumRate" type="xs:double" use="optional" />
   <xs:attribute name="maximumRate" type="xs:double" use="optional" />
   <xs:attribute name="currencyCode" type="xs:string" use="optional" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
minimumRate	attribute	double	optional	Minimum rate amount filter. If not provided, 0 is assumed.
maximumRate	attribute	double	optional	Maximum rate amount filter. If not provided, no upper limit will be applied to result set filter.
currencyCode	attribute	string	optional	If either mimimumRate or maximumRate is provided, this attribute becomes operationally required.

RegionalSearch (Defines the geographic boundaries within which to search for available hotels.)

```
<xs:complexType name="RegionalSearch" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:choice>
        <xs:element name="GeoSearch" type="hc:GeoPosition"/>
        <xs:element name="CitySearch" type="tns:CityCode"/>
    </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GeoSearch	attribute	GeoPosition	optional	
CitySearch	attribute	CityCode	optional	

CityCode (City code where the availabilty needs to be searched in.)

```
<xs:complexType name="CityCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:attribute name="countryCode" type="xs:string" use="required"/>
    <xs:attribute name="stateCode" type="xs:string" use="optional"/>
    <xs:attribute name="cityCode" type="xs:string" use="required"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
countryCode	attribute	string	optional	
stateCode	attribute	string	optional	
cityCode	attribute	string	optional	

RegionalAvailabilityResponse

```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="000032" timeStamp="2003-12-10T15:20:25.0368750-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
            <Origin entityID="TI" systemType="ORS"/>
            <Destination entityID="ETC" systemType="WBE"/>
        </OGHeader>
    </soap:Header>
    <soap:Body>
        <RegionalAvailabilityResponse
xmlns:avl="http://webservices.micros.com/og/4.3/Availability/"
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/Availability.wsdl">
            <Result resultStatusFlag="SUCCESS"/>
            <RegionalAvailableProperties>
                <avl:RegionalAvailableProperty>
                    <avl:HotelReference chainCode="TI" hotelCode="LONMAR">Thistle Marble
Arch</avl:HotelReference>
                    <avl:MinMaxRate minimumRate="124.45" maximumRate="425.75"
currencyCode="GBP"/>
                    <avl:NumberToSell>123</avl:NumberToSell>
                    <avl:HotelContact>
                        <hc:Addresses>
                            <hc:Address>
                                <c:AddressLine>Bryanston Street</c:AddressLine>
                                <c:AddressLine>Marble Arch</c:AddressLine>
                                <c:cityName>London</c:cityName>
                                <c:counrtyCode>UK</c:counrtyCode>
                                <c:postalCode>W1A 4UR</c:postalCode>
                            </hc:Address>
                        </hc:Addresses>
                        <hc:ContactEmails>
                            <hc:ContactEmail>MarbleArch@Thistle.co.uk</hc:ContactEmail>
                        </hc:ContactEmails>
                        <hc:ContactPhones>
                            <hc:Phone phoneType="FAX" phoneRole="BUSINESS">
                                <c:PhoneNumber>0870 333 9216</c:PhoneNumber>
                            </hc:Phone>
                            <hc:Phone phoneType="VOICE" phoneRole="BUSINESS">
                                <c:PhoneNumber>0870 333 9116</c:PhoneNumber>
                            </hc:Phone>
                        </hc:ContactPhones>
                    </avl:HotelContact>
                </avl:RegionalAvailableProperty>
                <avl:RegionalAvailableProperty>
```

```xml
                    <avl:HotelReference chainCode="TI" hotelCode="LONPIC">Thistle
Picdadilly</avl:HotelReference>
                    <avl:MinMaxRate minimumRate="99.95" maximumRate="520.25"
currencyCode="GBP"/>
                    <avl:NumberToSell>107</avl:NumberToSell>
                    <avl:HotelContact>
                        <hc:Addresses>
                            <hc:Address>
                                <c:AddressLine>Coventry Street</c:AddressLine>
                                <c:cityName>London</c:cityName>
                                <c:counrtyCode>UK</c:counrtyCode>
                                <c:postalCode>W1D 6BZ</c:postalCode>
                            </hc:Address>
                        </hc:Addresses>
                        <hc:ContactEmails>
                            <hc:ContactEmail>Piccadilly@Thistle.co.uk</hc:ContactEmail>
                        </hc:ContactEmails>
                        <hc:ContactPhones>
                            <hc:Phone phoneType="FAX" phoneRole="BUSINESS">
                                <c:PhoneNumber>0870 333 9218</c:PhoneNumber>
                            </hc:Phone>
                            <hc:Phone phoneType="VOICE" phoneRole="BUSINESS">
                                <c:PhoneNumber>0870 333 9118</c:PhoneNumber>
                            </hc:Phone>
                        </hc:ContactPhones>
                    </avl:HotelContact>
                </avl:RegionalAvailableProperty>
            </RegionalAvailableProperties>
        </RegionalAvailabilityResponse>
    </soap:Body>
</soap:Envelope>
```

RegionalAvailabilityResponse

`<xs:element name="RegionalAvailabilityResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
`   <xs:complexType>`
`     <xs:sequence>`
`       <xs:element name="Result" type="hc:GDSResultStatus" />`
`       <xs:element minOccurs="0" name="RegionalAvailableProperties"`
`type="avl:RegionalAvailableProperties" />`
`     </xs:sequence>`
`   </xs:complexType>`
`</xs:element>`

Name	Type	Data Type	Use	Comment
Result	element	GDSResultStatus	required	Standard GDS/ADS result object.
RegionalAvailableProperties	element	RegionalAvailableProperties	optional	Collection of Regional Available Properties.

GDSResultStatus

`<xs:complexType name="GDSResultStatus" xmlns:xs="http://www.w3.org/2001/XMLSchema">`
`   <xs:complexContent mixed="false">`
`     <xs:extension base="c:ResultStatus">`

```
        <xs:sequence>
          <xs:element minOccurs="0" name="GDSError" type="GDSError" />
        </xs:sequence>
      </xs:extension>
    </xs:complexContent>
</xs:complexType>
```

Extends	ResultStatus			
Name	Type	Data Type	Use	Comment
GDSError	element	GDSError	optional	Contains "standard" errors as configured in Channel data and as required by external GDS and ADS providers.

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.

GDSError In this context, root node value contains formatted / fixed GDS / ADS error text.
`<xs:complexType name="GDSError" xmlns:xs="http://www.w3.org/2001/XMLSchema">`   `<xs:simpleContent>`

```
    <xs:extension base="xs:string">
        <xs:attribute name="errorCode" type="xs:string" use="required" />
        <xs:attribute name="elementId" type="xs:string" use="required" />
    </xs:extension>
</xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
errorCode	attribute	string	required	Contains formatted / fixed GDS / ADS error text
elementId	attribute	string	required	Contains formatted / fixed GDS / ADS error element ID

RegionalAvailableProperties

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

Name	Type	Data Type	Use	Comment
RegionalAvailableProperty	element	RegionalAvailableProperty	required	Collection of Regional Available Property types.

RegionalAvailableProperty

```
<xs:complexType name="RegionalAvailableProperty" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element name="HotelReference" type="hc:HotelReference" />
        <xs:element name="PropertyStatus" type="tns:PropertyStatusCode" />
        <xs:element minOccurs="0" name="MinMaxRate" type="hc:MinMaxRate" />
        <xs:element minOccurs="0" name="NumberToSell" type="xs:int" />
        <xs:element minOccurs="0" name="HotelContact" type="hc:HotelContact" />
        <xs:element minOccurs="0" name="HotelExtendedInformation" type="ExtendedHotelInfo" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
HotelReference	element	HotelReference	required	Contains reference to the subject property or resort.
PropertyStatus	element	PropertyStatusCode	required	Property status code container describing whether or not subject property is available for sale.
MinMaxRate	element	MinMaxRate	optional	The minimum / maximum rate available at this property. Does *not* actually indicate that the rate is available *now*, but that it is available under certain critieria.
NumberToSell	element	int	optional	The number of available rooms as of the instant of transaction. As opposed

				to rate elements, this value is real-time accurate.
HotelContact	element	HotelContact	optional	Container wrapping contact and other descriptive content for subject property or resort.
HotelExtendedInformation	element	ExtendedHotelInfo	optional	

HotelReference Root node value contains hotel full name (optional). Used for information purposes only. No attempt should be made by receiving party 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="optional" />
         <xs:attribute name="hotelCode" type="xs:string" use="required" />
      </xs:extension>
   </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
chainCode	attribute	string	optional	Optional chain code of resort identified.
hotelCode	attribute	string	required	The resort id code properly converted (as required) for the source / proxy / merchant model specified in the header.

PropertyStatusCode

```
<xs:complexType name="PropertyStatusCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" name="PropertyLevelError" type="xs:string" />
   </xs:sequence>
   <xs:attribute name="propertyStatusCode" type="hc:PropertyStatusCodeType" use="required" />
   <xs:attribute name="otherPropertyStatusCode" type="xs:string" use="optional" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PropertyLevelError	element	string	optional	Will be provided if and only if input value for query was a list of properties. If provided, will be a fixed GDS/ADS error representing that and error occurred while attempting to retrieve availability for the subject property.
propertyStatusCode	attribute	PropertyStatusCodeType	required	Enumerated type containing values OPEN, CLOSED, UNKNOW and OTHER.

otherPropertyStatusCode	attribute	string		optional	If OTHER is selected in previous field, *this* field becomes operationally required and must contain a value agreed to by trading partners.

MinMaxRate

```
<xs:complexType name="MinMaxRate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:attribute name="minimumRate" type="xs:double" use="optional" />
    <xs:attribute name="maximumRate" type="xs:double" use="optional" />
    <xs:attribute name="currencyCode" type="xs:string" use="optional" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
minimumRate	attribute	double	optional	Minimum rate sellable at the subject property. Does not indicate that this rate is immediately available for sale.
maximumRate	attribute	double	optional	Maximum rate sellable at the subject property. Does not indicate that this rate is immediately available for sale.
currencyCode	attribute	string	optional	If either minimum or maximum fields are populated, this value must be populated with ISO currency code.

HotelContact

```
<xs:complexType name="HotelContact" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element minOccurs="0" name="Addresses" type="AddressList" />
        <xs:element minOccurs="0" name="ContactEmails" type="ContactEmailList" />
        <xs:element minOccurs="0" name="ContactPhones" type="PhoneList" />
        <xs:element minOccurs="0" name="HotelInformation" type="HotelInfoList" />
        <xs:element minOccurs="0" name="URIs" type="URIList" />
        <xs:element minOccurs="0" name="Vector" type="Vector" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Addresses	element	AddressList	optional	Collection of Address types.
ContactEmails	element	ContactEmailList	optional	Collection of Email addresses (string)
ContactPhones	element	PhoneList	optional	Collection of Phone types.
HotelInformation	element	HotelInfoList	ignored	Not used in this context.
URIs	element	URIList	optional	Collection of applicable web addresses for subject property.
Vector	element	Vector	ignored	No used in this context.

AddressList

```
<xs:complexType name="AddressList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="Address" type="c:Address" />
    </xs:sequence>
```

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

Name	Type	Data Type	Use	Comment
Address	element	Address	required	Collection of Address types

Address

```
<xs:complexType name="Address" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element minOccurs="0" maxOccurs="5" name="AddressLine" type="xs:string" />
      <xs:element minOccurs="0" name="cityName" type="xs:string" />
      <xs:element minOccurs="0" name="stateProv" type="xs:string" />
      <xs:element minOccurs="0" name="counrtyCode" type="xs:string" />
      <xs:element minOccurs="0" name="postalCode" type="xs:string" />
   </xs:sequence>
   <xs:attribute name="addressType" type="xs:string" />
   <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AddressLine	element	string	optional	Up to 5 lines of street address / box number / mailstop information.
cityName	element	string	optional	City name
stateProv	element	string	optional	State or Province code
counrtyCode	element	string	optional	Country code
postalCode	element	string	optional	Postal or zip code.
addressType	attribute	string	optional	The address type code for this address.
otherAddressType	attribute	string	ignored	Not used in this context.

ContactEmailList

```
<xs:complexType name="ContactEmailList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="ContactEmail" type="xs:string" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ContactEmail	element	string	required	Collection of Email addresses (string values)

PhoneList

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

Name	Type	Data Type	Use	Comment
Phone	element	Phone	optional	Collection of Phone types.

Phone

```
<xs:complexType name="Phone" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:choice>
      <xs:element name="PhoneNumber" type="xs:string" />
      <xs:element name="PhoneData">
         <xs:complexType>
            <xs:attribute name="countryAccessCode" type="xs:string" />
            <xs:attribute name="areaCode" type="xs:string" />
```

```
            <xs:attribute name="phoneNumber" type="xs:string" />
            <xs:attribute name="extension" type="xs:string" />
        </xs:complexType>
    </xs:element>
  </xs:choice>
  <xs:attribute name="phoneType" type="xs:string" />
  <xs:attribute name="phoneRole" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PhoneNumber	element	string	required	String representation of phone number including all required country and area code prefixes.
PhoneData	element	PhoneData	ignored	No used in this context.
phoneType	attribute	string	required	The type of phone device.
phoneRole	attribute	string	required	The roleof the number provided, as in HOME, or BUSINESS.

URIList

```
<xs:complexType name="URIList" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element maxOccurs="unbounded" name="URI" type="xs:anyURI" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
URI	element	anyURI	required	Collection of URL values for gathering more information on subject hotel.

HotelExtendedInformation Elements

HotelExtendedInformation(HotelExtendedInformationList)

```
<xs:complexType name="HotelExtendedInformation" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
        <xs:element maxOccurs="unbounded" name=" HotelExtendedInformation" type="ExtendedHotelInfo" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
HotelExtendedInformation	element	ExtendedHotelInfo	optional	

HotelExtendedInformation

```
<xs:complexType name="HotelExtendedInformation" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
     <xs:element minOccurs="0" name="HotelInfo" type="HotelInfoList" />
     <xs:element minOccurs="0" name="PaymentMethods" type=" PaymentsAccepted" />
     <xs:element minOccurs="0" name="AmenityInfo" type="AmenityInfo" />
     <xs:element minOccurs="0" name=" Positon" type=" GeoCode" />
     <xs:element minOccurs="0" name=" FacilityInfo" type="FacilityInfoType" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
HotelInfo	element	HotelInfoList	optional	
PaymentMethods	element	PaymentsAccepted	optional	
AmenityInfo	element	AmenityInfo	optional	
Positon	element	GeoCode	optional	Used to define geographic area.

FacilityInfo	element	FacilityInfoType	optional	

AmenityInfo

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

Name	Type	Data Type	Use	Comment
AmenityInfo	element	AmenityInfo	optional	

AmenityInfo

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

Name	Type	Data Type	Use	Comment
Amenities	element	none	optional	
Amenity	element	Amenity	required	

AmenityInfo/Amenities

```
<xs:complexType name="Amenities"  xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:complexType>
        <xs:sequence>
            <xs:element name="Amenity" type="Amenity" maxOccurs="unbounded"/>
        </xs:sequence>
    </xs:complexType>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Amenity	element	Amenity	required	

AmenityInfo/Amenities/Amenity

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

    <xs:sequence>
      <xs:element name="amenityDescription" type="xs:string" minOccurs="0" maxOccurs="unbounded"/>
    </xs:sequence>
        <xs:attribute name="amenityCode" type="xs:string" use="required"/>
        <xs:attribute name="amenityType" use="optional">
            <xs:simpleType>
            <xs:restriction base="xs:string">
            <xs:enumeration value="Property"/>
            <xs:enumeration value="Room"/>
            <xs:enumeration value="Both"/>
            <xs:enumeration value="Nearby "/>
            <xs:enumeration value="Exists "/>
            <xs:enumeration value="Other"/>
            <xs:enumeration value="Parking"/>
            <xs:enumeration value="WheelChairAccess"/>
            <xs:enumeration value="Gymnasium"/>
```

```xml
                        <xs:enumeration value="ConferenceRoom"/>
                        <xs:enumeration value="BusinessCentre"/>
                        <xs:enumeration value="Pets"/>
                        <xs:enumeration value="RoomService"/>
                        <xs:enumeration value="Restaurant"/>
                        <xs:enumeration value="SwimingPool"/>
                        <xs:enumeration value="Internet"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:attribute>
            <xs:attribute name="otherType" type="xs:string" use="optional"/>
            <xs:attribute name="availabilityFlag" use="optional">
                <xs:simpleType>
                    <xs:restriction base="xs:string">
                        <xs:enumeration value="ConfirmableComplimentary"/>
                        <xs:enumeration value="ConfirmableCost"/>
                        <xs:enumeration value="OnRequestComplimentary"/>
                        <xs:enumeration value="OnRequestCost"/>
                        <xs:enumeration value="Exists "/>
                        <xs:enumeration value="Other"/>
                    </xs:restriction>
                </xs:simpleType>
            </xs:attribute>

            <xs:attribute name="otherFlag" type="xs:string" use="optional"/>
        </xs:complexType>
```

Name	Type	Data Type	Use	Comment
amenityDescription	element	string	optional	Used to describe both room type and property amenities.
amenityCode	attribute	string	required	
amenityType	attribute	string	optional	
otherType	attribute	string	optional	
availabilityFlag	attribute	string	optional	
otherFlag	attribute	string	optional	

amenityDescription

```xml
<xs:complexType name="amenityDescription" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="amenityDescription" type="string"/>
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
amenityDescription	element	string	optional	Used to describe both room type and property amenities.

amenityCode

```xml
<xs:complexType name="amenityCode " xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="amenityCode" type="string" use="required"/>
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
amenityCode	attribute	string	required	

amenityType

```xml
<xs:complexType name="amenityType " xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="amenityType" type="string" use="optional"/>
    </xs:sequence>
```

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

Name	Type	Data Type	Use	Comment
amenityType	attribute	string	optional	

otherType

```
<xs:complexType name="otherType " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
        <xs:element maxOccurs="unbounded" name="otherType" type="string" use="optional"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
otherType	attribute	string	optional	

availabilityFlag

```
<xs:complexType name="availabilityFlag " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
        <xs:element maxOccurs="unbounded" name="availabilityFlag" type="string" use="optional"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
availabilityFlag	attribute	string	optional	

otherFlag

```
<xs:complexType name="otherFlag " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
        <xs:element maxOccurs="unbounded" name="otherFlag" type="string" use="optional"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
otherFlag	attribute	string	optional	

Position

```
<xs:complexType name="Position" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
    <xs:element name="Position" type="GeoCode" minOccurs="0"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Position	element	GeoCode	optional	Used to define geographic area.

GeoCode

```
<xs:complexType name="GeoCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
 <xs:attribute name="latitude" type="xs:string" use="optional">
 <xs:attribute name="longitude" type="xs:string" use="optional">
 <xs:attribute name="altitude" type="xs:string" use="optional">
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
latitude	attribute	string	optional	The measure of the angular distance on a meridian north or south of the equator.
longitude	attribute	string	optional	The measure of the angular distance on a meridian east or west of the prime meridian.
altitude	attribute	string	optional	The height of an item, typically above sea level.

FacilityInfo

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

```
            <xs:element name=" FacilityInfo" type=" FacilityInfoType" minOccurs="0"/>
        </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
FacilityInfo	element	FacilityInfoType	optional	

FacilityInfo/ FacilityInfoType

```
<xs:complexType name="FacilityInfoType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
<xs:sequence>
   <xs:element name="GuestRooms " minOccurs="0">
    <xs:complexType>
     <xs:sequence>
      <xs:element name="GuestRoom" maxOccurs="unbounded">
       <xs:complexType>
        <xs:sequence>
         <xs:element name="RoomDescription" type="c:DescriptiveText" minOccurs="0"/>
        </xs:sequence>
        <xs:attribute name="code" type="xs:string" use="optional"/>
        <xs:attribute name="maxOccupancy " type="xs:integer " use="optional"/>
       </xs:complexType>
      </xs:element>
     </xs:sequence>
     <xs:attribute name="totalRooms " type="xs:string" use="optional"/>
    </xs:complexType>
   </xs:element>
   <xs:element name="Restaurants " type="RestaurantsType" minOccurs="0"/>
   <xs:element name="MeetingRooms " type="MeetingRoomsType" minOccurs="0"/>
 </xs:sequence>
 <xs:attribute name="dateOpened" type="xs:date" use="optional"/>
 <xs:attribute name="dateRennovated" type="xs:date" use="optional"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GuestRooms	element	none	optional	
GuestRoom	element	none	optional	
RoomDescription	element	DescriptiveText	optional	
code	attribute	string	optional	
maxOccupancy	attribute	integer	optional	
totalRooms	attribute	string	optional	
Restaurants	element	RestaurantsType	optional	
MeetingRooms	element	MeetingRoomsType	optional	
dateOpened	attribute	date	optional	
dateRennovated	attribute	date	optional	

GuestRooms

```
<xs:complexType name="GuestRooms " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
       <xs:element name="GuestRooms "  minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
GuestRooms	element	none	optional	

GuestRoom

```
<xs:complexType name="GuestRoom" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
       <xs:element name="GuestRoom"  minOccurs="0"/>
   </xs:sequence>
```

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

Name	Type	Data Type	Use	Comment
GuestRooms	element	none	optional	

RoomDescription

```
<xs:complexType name="RoomDescription" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name=" RoomDescription" type=" c:DescriptiveText " minOccurs="0"/>
   </xs:sequenc e>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RoomDescription	element	DescriptiveText	optional	

Code

```
<xs:complexType name="code" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name="code" type="xs:string" minOccurs=01"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
code	attribute	string	optional	

maxOccupancy

```
<xs:complexType name="maxOccupancy" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name=" maxOccupancy" type="xs:string" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
maxOccupancy	attribute	integer	optional	

totalRooms

```
<xs:complexType name="totalRooms " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name=" totalRooms " type="xs:string" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
totalRooms	attribute	string	optional	

Restaurants

```
<xs:complexType name="Restaurants" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
      <xs:element name=" Restaurants" type="RestaurantsType" minOccurs="0"/>
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Restaurants	element	RestaurantsType	optional	Details of a specific restaurant such as type of restaurant, directions, schedules, etc.

RestaurantsType

```
<xs:complexType name="Restaurants" xmlns:xs="http://www.w3.org/2001/XMLSchema">
<xs:complexType>
  <xs:sequence>
   <xs:element name="RestaurantDescription" type="Paragraph" minOccurs="0" maxOccurs="5">
   <xs:element name="RelativePosition" type="Vector" minOccurs="0">
   <xs:element name="Cuisines" minOccurs="0">
    <xs:complexType>
```

```
  <xs:sequence>
    <xs:element name="Cuisine" maxOccurs="unbounded">
      <xs:complexType>
        <xs:attribute name="Code" type="xs:string" use="optional">
        <xs:attribute name="Description" type="xs:string" use="optional">
      </xs:complexType>
    </xs:element>
  </xs:sequence>
  </xs:complexType>
</xs:element>
<xs:element name="RestaurantContacts" type="AddressList" minOccurs="0">
</xs:sequence>
<xs:attribute name="RestaurantName" type="xs:string" use="optional">
<xs:attribute name="MaxSeatingCapacity" type="xs:nonNegativeInteger" use="optional">
<xs:attribute name="MaxSingleParty" type="xs:nonNegativeInteger" use="optional">
<xs:attribute name="OfferBreakfast" type="xs:boolean" use="optional"/>
<xs:attribute name="OfferLunch" type="xs:boolean" use="optional"/>
<xs:attribute name="OfferDinner" type="xs:boolean" use="optional"/>
<xs:attribute name="OfferBrunch" type="xs:boolean" use="optional"/>
</xs:complexType>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Restaurants	element	none	optional	
RestaurantDescription	element	paragraph	optional	Information describing the restaurant.
RelativePosition	element	vector	optional	Indicates the directions to a specific restaurant relative to the hotel.
Cuisines	element	none	optional	Collection of cuisine types of restaurant.
Cuisine	element	none	optional	The code for the type of cuisine served at the restaurant.
Code	attribute	string	optional	Refer to OTA Code List Main Cuisine Code (CUI).
Description	attribute	string	optional	Indicates whether this cuisine code is the main cuisine offered by restaurant.
RestaurantContacts	element	AddressList	optional	Collection of contacts, allows the passing of restaurant address, phone number, etc.
RestaurantName	attribute	string	optional	The name of the restaurant at the hotel facility.
MaxSeatingCapacity	attribute	nonNegativeInteger	optional	The total seating capacity for this restaurant.
MaxSingleParty	attribute	nonNegativeInteger	optional	The maximum number of people that can be seated as a single party in this restaurant.
OfferBreakfast	attribute	bool	optional	
OfferLunch	attribute	bool	optional	
OfferDinner	attribute	bool	optional	
OfferBrunch	attribute	bool	optional	

MeetingRooms

```
<xs:complexType name="MeetingRooms " xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="MeetingRooms " type="MeetingRoomsType" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
MeetingRooms	element	MeetingRoomsType	optional	A collection of MeetingRoom objects that provide the codes and description of the meeting rooms in the hotel.

MeetingRoomsType

```
<xs:complexType name=" MeetingRoomTypes" xmlns:xs="http://www.w3.org/2001/XMLSchema">
 <xs:sequence>
  <xs:element name="MeetingRoom" minOccurs="0" maxOccurs="unbounded">
   <xs:complexType>
    <xs:sequence>
     <xs:element name="Codes" minOccurs="0">
      <xs:complexType>
       <xs:sequence>
        <xs:element name="Code" maxOccurs="unbounded">
         <xs:complexType>
          <xs:sequence>
           <xs:element name="Charge" type="xs:string" minOccurs="0">
           <xs:element name="Description" type="Paragraph" minOccurs="0" maxOccurs="5">
          </xs:sequence>
          <xs:attribute name="Code" type="xs:string" use="optional">
         </xs:complexType>
        </xs:element>
       </xs:sequence>
      </xs:complexType>
     </xs:element>
     <xs:element name="Description" type="Paragraph" minOccurs="0">
    </xs:sequence>
    <xs:attribute name="Irregular" type="xs:boolean">
    <xs:attribute name="PropertySystemName" type="xs:string">
    <xs:attribute name="RoomName" type="xs:string">
    <xs:attribute name="Sort" type="xs:nonNegativeInteger">
    <xs:attribute name="MeetingRoomCapacity" type="xs:nonNegativeInteger">
   </xs:complexType>
  </xs:element>
 </xs:sequence>
 <xs:attribute name="MeetingRoomCount" type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="SmallestRoomSpace" type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="LargestRoomSpace" type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="TotalRoomSpace" type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="LargestSeatingCapacity " type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="SecondLargestSeatingCapacity" type="xs:nonNegativeInteger" use="optional">
 <xs:attribute name="SmallestSeatingCapacity" type="xs:nonNegativeInteger" use="optional">
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
MeetingRoom	element	none	optional	Dedicated or non-dedicated space or area in which to hold a meeting.
Codes	element	none	optional	Codes or abbreviations for meeting rooms.
Code	element	string	optional	
Charge		string	optional	The minimum charge

				for this meeting room code.
Description	element	paragraph	optional	This will allow for text descriptions to be sent with items such as catered breakfast.
Code	attribute	string	optional	Refer to OTA Code List Meeting Room Code (MRC).
Description	element	paragraph	optional	Information describing the restaurant.
Irregular	attribute	bool	optional	This provides information as to whether the room has an irregular shape, if true the room would not be of a traditional square or rectangular style.
PropertySystemName	attribute	string	optional	This is the room name as it is defined by the system. The name used internally may differ from the name used by guests.
RoomName	attribute	string	optional	This is the meeting room name as provided to the guests.
Sort	attribute	xs:nonNegativeInteger	optional	This is a number assigned to rooms, usually used to define the display order.
MeetingRoomCapacity	attribute	xs:nonNegativeInteger	optional	The total number of people permitted in the meeting room.
MeetingRoomCount	attribute	xs:nonNegativeInteger	optional	The total number of unique meeting rooms provided at the hotel facility. For example, if the hotel has a grand ballroom that breaks into Salon A, B, and C - the total number of unique meeting rooms is three.
SmallestRoomSpace	attribute	xs:nonNegativeInteger	optional	The amount of room

Name	Type	Data Type	Use	Comment
				space for the smallest unique meeting room at the hotel facility.
LargestRoomSpace	attribute	xs:nonNegativeInteger	optional	The amount of room space for the largest unique meeting room at the hotel facility.
TotalRoomSpace	attribute	xs:nonNegativeInteger	optional	The total amount of unique room space provided at the hotel facility. Note: when counting space, if there is grand ballroom that is comprised of Salon A, B, and C - count the total measurement of the ballroom only.
LargestSeatingCapacity	attribute	xs:nonNegativeInteger	optional	The largest seating capacity available in the largest meeting room - generally this is for theatre-style room setup.
SecondLargestSeatingCapacity	attribute	xs:nonNegativeInteger	optional	The second largest seating capacity available in the second largest meeting room - generally this is for theatre-style room setup. This is excluding any space within the largest meeting room.
SmallestSeatingCapacity	attribute	xs:nonNegativeInteger	optional	The smallest seating capacity available in a meeting room - generally this is for theatre-style room setup.

Payment Elements

Payment (PaymentList)

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

Name	Type	Data Type	Use	Comment

Payment	element	Payment	optional	

Payment

```
<xs:complexType name="Payment" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
     <xs:element minOccurs="0" name="PaymentAccepted" type=" PaymentsAccepted" />
     <xs:element minOccurs="0" name= "PaymentUsed" type=" PaymentUsed" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PaymentAccepted	element	PaymentsAccepted	optional	These are the various payment methods a hotel may accept when making a reservation.
PaymentUsed	element	PaymentUsed	optional	This is the payment method used when making a reservation.

PaymentsAccepted(PaymentAcceptedList)

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

Name	Type	Data Type	Use	Comment
PaymentsAccepted	element	PaymentsAccepted	optional	

PaymenstAccepted

```
<xs:complexType name=" PaymentsAccepted " xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
     <xs:element minOccurs="0" name="PaymentType" type="PaymentType" />
     <xs:element minOccurs="0" name="Deposit" type=" c:Amount" />
   </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PaymentType	element	PaymentType	optional	These are the various payment methods a hotel may accept when making a reservation.
Deposit	element	Amount	optional	

PaymentType(PaymentTypeList)

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

Name	Type	Data Type	Use	Comment
PaymentType	element	PaymentType	optional	

PaymentType

```
<xs:complexType name="Rate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
   <xs:sequence>
   <xs:element name="PaymentCard" type="c:CreditCard" minOccurs="0"/>
    <xs:element name="PaymentVoucher" type="Voucher" minOccurs="0"/>
```

```
    <xs:element name="OtherPayment" type="OtherPaymentType" minOccurs="0"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PaymentCard	element	CreditCard	optional	
PaymentVoucher	element	Voucher	optional	
OtherPayment	element	OtherPaymentType	optional	

PaymentCard(PaymentCardList)

```
<xs:complexType name="PaymentCard" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element maxOccurs="unbounded" name="PaymentCard" type="c:CreditCard" />
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PaymentCard	element	CreditCard	required	

PaymentCard

```
<xs:complexType name="Rate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element name="cardCode" type="xs:string" minOccurs="1"/>
        <xs:element name="cardHolderName" type="xs:string" minOccurs="0"/>
        <xs:element name="cardNumber" type="xs:string" minOccurs="1"/>
        <xs:element name="seriesCode" type="xs:string" minOccurs="0"/>
        <xs:element name="effectiveDate" type="xs:date" minOccurs="0"/>
        <xs:element name="expirationDate" type="xs:date" minOccurs="1"/>
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
cardCode	element	String	required	
cardHolderName	element	String	optional	
cardNumber	element	String	required	
seriesCode	element	String	optional	
effectiveDate	element	Date	optional	
expirationDate	element	Date	required	

cardCode

```
<xs:complexType name="cardCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element name="cardCode" type="xs:string" minOccurs="1"/>
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
cardCode	element	String	required	

cardHolderName

```
<xs:complexType name="cardHolderName" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:sequence>
        <xs:element name="cardHolderName" type="xs:string" minOccurs="0"/>
    </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
cardHolderName	element	String	optional	

cardNumber

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

```
    <xs:element name="cardNumber" type="xs:string" minOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
cardNumber	element	String	required	

seriesCode

```
<xs:complexType name="seriesCode" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="seriesCode " type="xs:string" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
seriesCode	element	String	optional	

effectiveDate

```
<xs:complexType name="effectiveDate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="effectiveDate" type="xs:date" minOccurs="0"/>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
effectiveDate	element	Date	optional	

expirationDate

```
<xs:complexType name="expirationDate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="expirationDate" type="xs:date" minOccurs="1"/>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
expirationDate	element	Date	required	

PaymentVoucher

```
<xs:complexType name="PaymentVoucher" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="PaymentVoucher" type="Voucher" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
PaymentVoucher	element	Voucher	optional	

OtherPayment

```
<xs:complexType name="OtherPayment" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element maxOccurs="unbounded" name="OtherPayment" type="OtherPaymentType" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
OtherPayment	element	OtherPaymentType	optional	

Deposit (Amount)

```
<xs:complexType name="Deposit" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleContent>
    <xs:extension base="xs:double">
```

```
        <xs:attribute name="currencyCode" type="xs:string" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	none	The currency coded associated with value in root. Root value represents anticipated total deposit amount.

Voucher

```
<xs:complexType name="Voucher" xmlns:xs="http://www.w3.org/2001/XMLSchema">
        <xs:attribute name="voucherNumber" type="xs:string" use="optional"/>
        <xs:attribute name="voucherIssuedBy" type="xs:string" use="optional"/>
        <xs:attribute name="voucherValidDate" type="xs:dateTime" use="optional"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
voucherNumber	attribute	string	optional	
voucherIssuedBy	attribute	string	optional	
voucherValidDate	attribute	DateTime	optional	

OtherPaymentType

```
<xs:complexType name="OtherPaymentType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
    <xs:attribute name="type" type="xs:string" use="optional"/>
    <xs:attribute name="value" type="xs:string" use="required"/>
    <xs:attribute name="source" type="xs:string" use="optional"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
type	attribute	string	optional	
value	attribute	string	required	
source	attribute	string	optional	