



Opera Hotel Edition



Opera Electronic Distribution Systems (OEDS)

Availability Messaging Specification for OWS 5.1
Document Version 2.0.0

ORS/PMS Version: 3.0.0+

Updated **3/16/2006**

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Record of Changes

Date	Version	Description	Author
09 Jan 2004	1.0.0	Initial Release	B. More
12 Jan 2004	1.0.1	Update for minor changes to Room Stay definition	B. More
27 Feb 2004	1.0.2	Added period attribute to RatePlan.CancellationDateTime	B.More
22 Sep 2004	1.0.3	Update from 5.0 to 5.1. Added Payments, Packages, and HotelExtendedInformation elements.	C. Mojica
08 Aug 2005	2.0.0	<ul style="list-style-type: none"> • Reformatted Document • Added Regional Availability • Update Sample Messages • Added new schemas 	E. Morgensten
22 Sep 2005	2.1.0	<ul style="list-style-type: none"> • Added Summary Section 	E. Morgenstern
10 Mar 2006	2.2.0	<ul style="list-style-type: none"> • Added FetchAvailablePackages and FetchCalendar 	C.Dimitrov

Notes

WSDL document described by this document can be found at:

<http://webservices.micos.com/ows/5.1/Availability.wsdl>

Associated schema (XSD) documents can be found at:

<http://webservices.micos.com/og/4.3/Core.xsd>

<http://webservices.micos.com/og/4.3/Common.xsd>

<http://webservices.micos.com/og/4.3/HotelCommon.xsd>

<http://webservices.micos.com/og/4.3/Availability.xsd>

Soap actions described by this document are:

<http://webservices.micos.com/ows/5.1/Availability.wsdl#Availability>

<http://webservices.micos.com/ows/5.1/Availability.wsdl#RegionalAvailability>

<http://webservices.micos.com/ows/5.1/Availability.wsdl#FetchAvailablePackages>

<http://webservices.micos.com/ows/5.1/Availability.wsdl#FetchCalendar>

For more information on the OGHeader section, please refer to the "OWS_Header_Spec" document.

Availability Web Service Summary

Availability

Retrieve a list of availability for rooms and rates. General Availability in case summary only is set to true and Detail Availability in case summary only is set to false.

Inputs: Arrival Date, Departure Date, Chain Code, Hotel Code, Number of Rooms, Number of Adults and Children.

Optionally: Rate Code, Promotional Code, Block or Group Code, Qualifier ID Type and Value for negotiated rates, Access Code, Room Type, Rate Range

Returns: List of Rates available, List of Room Types Available, the combination of Room and Rates, Hotel Name, Hotel Address, Hotel Phone, Fax, & Email, and Check In / Out times.

RegionalAvailability

Retrieve a list of available hotels by geographical region, CRO, chain code or country.

Inputs: Arrival Date, Departure Date, Number of Rooms, Number of Guests, and choice of either: Specific ChainCode and HotelCodes, Geographical Search code, or Regional Search Code.

Optionally: Rate Range

Returns: chainCode, hotelCode, Hotel Name, Property Status, Mix-Max Rates, Number of total rooms available, Hotel Address, Phone, Fax, Email, Hotel Grade (Property Type)

FetchAvailablePackages

Retrieve a list of available packages that can be attached to existing booking by a date range, hotel or chain code and number of persons.

Inputs: Arrival Date, Departure Date, ChainCode and HotelCode and choice of: Confirmation number, Leg number, Number of rooms, Number of Adults and Number of Children.

Optionally: Confirmation number, Leg number, Number of rooms, Number of Adults and Number of Children

Returns: Package details, Amounts, Descriptions

FetchCalendar

Retrieve the available hotel inventory view for room occupancy and rate restrictions.

Inputs: Arrival Date, Departure Date, ChainCode and HotelCode, Rate Code, Room Type, Number of Guests, Promotional code, Inventory Code.

Optionally: Number of Guests, Promotional code, Inventory Code

Returns: List of calendar days including a list of rate restrictions and room occupancy details.

Availability

AvailabilityRequest - General

Simple General Availability Request – no filtering criteria.

```
<?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" primaryLangID="E" timeStamp="2004-01-
09T09:55:16.3618750-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB"/>
    </OGHeader>
  </soap:Header>
</soap:Envelope>
```

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```

        <Destination entityID="TI" systemType="ORS"/>
    </OGHeader>
</soap:Header>
<soap:Body>
    <AvailabilityRequest xmlns:a="http://webservices.micros.com/og/4.3/Availability/"
xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/" summaryOnly="true"
xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
        <a:AvailRequestSegment availReqType="Room" numberOfRooms="1"
roomOccupancy="2" totalNumberOfGuests="2" numberOfChildren="0">
            <a:StayDateRange>
                <hc:StartDate>2005-08-15T00:00:00.0000000-05:00</hc:StartDate>
                <hc:EndDate>2005-08-17T00:00:00.0000000-05:00</hc:EndDate>
            </a:StayDateRange>
            <a:HotelSearchCriteria>
                <a:Criterion>
                    <a:HotelRef chainCode="WC" hotelCode="SEFIVE"/>
                </a:Criterion>
            </a:HotelSearchCriteria>
        </a:AvailRequestSegment>
    </AvailabilityRequest>
</soap:Body>
</soap:Envelope>

```

General Availability Request – extended to include specific filtering criteria for:

- Rate range from 0 to 500 \$USD
- Rate preference order to rate “COR” and “BAR” with qualifying CCN for “COR”.
- Room type preference order to room types “A1K” and “B1K”.

```

...
<a:RateRange minimumRate="0" maximumRate="500" currencyCode="USD"/>
<a:RatePlanCandidates>
    <a:RatePlanCandidate ratePlanCode="COR" qualifyingIdType="CORPORATE"
qualifyingIdValue="12344321"/>
    <a:RatePlanCandidate ratePlanCode="BAR"/>
</a:RatePlanCandidates>
<a:RoomStayCandidates>
    <a:RoomStayCandidate roomTypeCode="A1K"/>
    <a:RoomStayCandidate roomTypeCode="B1K"/>
</a:RoomStayCandidates>
...

```

General Availability Request – query for specific promotion code “PROMOTION”

```

...
<a:RatePlanCandidates>
    <a:RatePlanCandidate promotionCode="PROMOTION"/>
</a:RatePlanCandidates>
...

```

General Availability Request – query for specific block code “BA03312004”

```

...
<a:RoomStayCandidates>
    <a:RoomStayCandidate invBlockCode="BA03312004" />
</a:RoomStayCandidates>
...

```

AvailabilityRequest - Detail

Detail Availability Request – note that summaryOnly flag has been set to “false” and only one rate/room pair is specified.

```
<?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" primaryLangID="E" timeStamp="2004-01-
09T09:55:16.3618750-05:00" xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB"/>
      <Destination entityID="TI" systemType="ORS"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <AvailabilityRequest xmlns:a="http://webservices.micros.com/og/4.3/Availability/"
  xmlns:hc="http://webservices.micros.com/og/4.3/HotelCommon/" summaryOnly="false"
  xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <a:AvailRequestSegment availReqType="Room" numberOfRooms="1"
    roomOccupancy="2" totalNumberOfGuests="2" numberOfChildren="0">
        <a:StayDateRange>
          <hc:StartDate>2005-08-15T00:00:00.0000000-05:00</hc:StartDate>
          <hc:EndDate>2005-08-17T00:00:00.0000000-05:00</hc:EndDate>
        </a:StayDateRange>
        <a:RatePlanCandidates>
          <a:RatePlanCandidate ratePlanCode="EXR"/>
        </a:RatePlanCandidates>
        <a:RoomStayCandidates>
          <a:RoomStayCandidate roomTypeCode="MLQ"/>
        </a:RoomStayCandidates>
        <a:HotelSearchCriteria>
          <a:Criterion>
            <a:HotelRef chainCode="WC" hotelCode="SEFIVE"/>
          </a:Criterion>
        </a:HotelSearchCriteria>
      </a:AvailRequestSegment>
    </AvailabilityRequest>
  </soap:Body>
</soap:Envelope>
```

Detail Availability Request – query for specific block code “BA03312004”

```
...
<a:RatePlanCandidates>
  <a:RatePlanCandidate ratePlanCode=""/>
</a:RatePlanCandidates>
<a:RoomStayCandidates>
  <a:RoomStayCandidate roomTypeCode="MLQ" invBlockCode="BA03312004"/>
</a:RoomStayCandidates>
...
```

AvailabilityRequest

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<pre><xs:element name="AvailabilityRequest"> <xs:complexType mixed="false"> <xs:complexContent mixed="false"> <xs:extension base="a:AvailRequestSegmentList"> <xs:attribute name="summaryOnly" type="xs:boolean" use="required"/> </xs:extension> </xs:complexContent> </xs:complexType> </xs:element></pre>				
Extends	AvailRequestSegmentList			
Name	Type	Data Type	Use	Comment
summaryOnly	attribute	boolean	required	Indicates whether or not this request is a General Availability request (true) or Detail Availability for a specific Rate/Room pair (false).

AvailRequestSegmentList <pre><xs:complexType name="AvailRequestSegmentList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="AvailRequestSegment" type="tns:AvailRequestSegment" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
AvailRequestSegment	element	AvailRequestSegment	required	At least one AvailRequestSegment is required.

AvailRequestSegment <pre><xs:complexType name="AvailRequestSegment"> <xs:sequence> <xs:element name="StayDateRange" type="hc:TimeSpan" minOccurs="0"/> <xs:element name="RateRange" type="hc:MinMaxRate" minOccurs="0"/> <xs:element name="RatePlanCandidates" type="tns:RatePlanCandidateList" minOccurs="0"/> <xs:element name="RoomStayCandidates" type="tns:RoomStayCandidateList" minOccurs="0"/> <xs:element name="HotelSearchCriteria" type="tns:HotelSearchCriteria" minOccurs="0"/> </xs:sequence> <xs:attribute name="availReqType" type="hc:AvailRequestType" use="required"/> <xs:attribute name="moreDataEchoToken" type="xs:string"/> <xs:attribute name="numberOfRooms" type="xs:int"/> <xs:attribute name="roomOccupancy" type="xs:int"/> <xs:attribute name="totalNumberOfGuests" type="xs:int"/> <xs:attribute name="numberOfChildren" type="xs:int" use="optional"/> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
StayDateRange	element	TimeSpan	optional	Operationally required in this context. Indicates date bounds for query.
RateRange	element	MinMaxRate	optional	If specified, query results will be filtered by upper and lower values provided.
RatePlanCandidates	element	RatePlanCandidateList	optional	Used to indicate that rates that should be given preference in display order, or to show qualification for negotiated rates, or to indicate the promotion code being queried. See examples for further details.
RoomStayCandidates	element	RoomStayCandidateList	optional	Used to indicate which room types should be given preference in display order, or to

				indicate a given inventory block (group) code to be queried.
HotelSearchCriteria	element	HotelSearchCriteria	optional	Operationally required in this context. Used to indicate the property for which availability is to be queried.
availReqType	attribute	AvailRequestType	required	For this interface product, only Room type request types are permitted. Hard code to Room.
moreDataEchoToken	attribute	string	optional	If a previous query was unable to return all results in a single message, previous query will issue a token that indicates where the subsequent message should take up.
numberOfRooms	attribute	int	optional	If not provided, a value of one (1) will be assumed.
roomOccupancy	attribute	int	optional	If provided, will supersede any calculated value. If this value is incorrect, an inaccurate result will be returned. If not provided, will be calculated based upon other values, or as a last resort, defaulted to a value of one (1).
totalNumberOfGuests	attribute	int	optional	The total number of adults that should be considered as an occupancy basis for rate calculation. If not provided, a default value of one (1) will be assumed.
numberOfChildren	attribute	int	optional	The total number of children that should be considered as an occupancy basis for rate calculation. 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:annotation>
    <xs:documentation xml:lang="en">Measure of time from a StartDate to either specified EndDate or
StartDate plus Duration.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="StartDate" type="xs:dateTime" />
    <xs:choice>
      <xs:annotation>
        <xs:documentation xml:lang="en">Allows for a choice in description of the amount of time spanned by
this type. EndDate specifies a specific date, while Duration provides a measure of time to add to the StartDate to
yield end date.</xs:documentation>
      </xs:annotation>
      <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	The start date of the date range for which

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				availability is to be queried.
EndDate	element	dateTime	required / choice	The end (departure) date of the date range for which availability is to be queried.
Duration	element	duration	not used / choice	Reserved for future use.

MinMaxRate

```
<xs:complexType name="MinMaxRate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:annotation>
    <xs:documentation xml:lang="en">Represents bounding amounts. Either minimumRate or maximumRate (or both) must be populated to create a valid instance.</xs:documentation>
  </xs:annotation>
  <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:annotation>
      <xs:documentation xml:lang="en">Shall contain ISO standard currency code unless explicitly agreed to by trading partners.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
minimumRate	attribute	double	optional	The minimum rate to be returned by this query. If not provided, will assume a default value of zero (0).
maximumRate	attribute	double	optional	The maximum rate to be returned by this query. If not provided, no upper filter will be imposed.
currencyCode	attribute	string	optional	Operationally required if MinMax filter is populated.

RatePlanCandidateList

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

Name	Type	Data Type	Use	Comment
RatePlanCandidate	element	RatePlanCandidate	required	At least one candidate is required if parent is present.

RatePlanCandidate

```
<xs:complexType name="RatePlanCandidate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:attribute name="ratePlanCode" type="xs:string" />
  <xs:attribute name="promotionCode" type="xs:string" />
  <xs:attribute name="qualifyingIdType" type="xs:string" />
  <xs:attribute name="qualifyingIdValue" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ratePlanCode	attribute	string	optional	In this context, if a rate code is provided and that rate code is available, the rate code will be given order preference in the result message.
promotionCode	attribute	string	optional	If provided, all other submitted rate and room candidates will be ignored. Only one promotion code may be specified.
qualifyingIdType	attribute	string	optional	The type of ID number provided to qualify

				for negotiated rates. Required if the qualifyingIdValue attribute is populated.
qualifyingIdValue	attribute	string	optional	The actual ID value provided to qualify for negotiated rates.

RoomStayCandidateList

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

Name	Type	Data Type	Use	Comment
RoomStayCandidate	element	RoomStayCandidate	required	At least one candidate is required if parent is present

RoomStayCandidate

```
<xs:complexType name="RoomStayCandidate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:attribute name="roomTypeCode" type="xs:string" />
  <xs:attribute name="invBlockCode" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
roomTypeCode	attribute	string	optional	Similar to RatePlanCandidates, if a room type preference is indicated here and that room type is available, it will be given order preference in result message.
invBlockCode	attribute	string	optional	If a inventory block (group) code is provided, all other rate and room preferences will be ignored and available elements for the block grid will be returned. Only one group of invBlockCode value may be specified for any given request segment.

HotelSearchCriteria

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

Name	Type	Data Type	Use	Comment
Criterion	element	HotelSearchCriterion	required	One and only one HotelSearchCriterion will be accepted. Providing multiple values will not cause the transaction to fail, but all criterion save the first will be ignored.

HotelSearchCriterion

```
<xs:complexType name="HotelSearchCriterion" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="HotelRef" type="hc:HotelReference" />
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
HotelRef	element	HotelReference	required	Used to provide the specific chain and resort code for which availability is to be queried.

HotelReference

```
<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	The channel converted chain code of the property for which availability is to be queried.
hotelCode	attribute	string	required	The channel converted hotel / resort code of the property for which availability is to be queried.

AvailabilityResponse

General Availability Response

```
<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="000032" timeStamp="2004-01-09T16:31:09.5650000-05:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="WEST" systemType="WEB"/>
      <Destination entityID="WC" systemType="ORS"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <AvailabilityResponse xmlns:a="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/" summaryOnly="false"
xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <AvailResponseSegments>
        <a:AvailResponseSegment>
          <a:RoomStayList>
            <hc:RoomStay>
              <hc:RatePlans>
                <hc:RatePlan ratePlanCategory="C" ratePlanCode="COR"
hold="false" mandatoryDeposit="false">
                  <hc:RatePlanDescription>
                    <hc:Text>Corporate Rate</hc:Text>
                  </hc:RatePlanDescription>
                  <hc:Commission>
                    <hc:CommissionPayableAmount
currencyCode="USD">10</hc:CommissionPayableAmount>
                  </hc:Commission>
                  <hc:AdditionalDetails>
                    <hc:AdditionalDetail detailType="MarketingInformation">
                      <hc:AdditionalDetailDescription>
                        <hc:Text language="en">THANK YOU FOR YOUR
BOOKING - Marketing Text</hc:Text>
                      </hc:AdditionalDetailDescription>
                    </hc:AdditionalDetail>
                    <hc:AdditionalDetail detailType="TaxInformation">
                      <hc:AdditionalDetailDescription>
                        <hc:Text language="en">STATE TAX 8.6 PCT
OCCUPANCY TAX 7 PCT - Tax Information</hc:Text>
                      </hc:AdditionalDetailDescription>
                    </hc:AdditionalDetail>
                  </hc:AdditionalDetails>
                  <hc:CancellationDateTime period="P2DT1H">2004-01-
14T16:30:00.000-05:00</hc:CancellationDateTime>
                </hc:RatePlan>
                <hc:RatePlan ratePlanCategory="R" ratePlanCode="BAR"
hold="false" mandatoryDeposit="false">
                  <hc:RatePlanDescription>
                    <hc:Text>Best Available Rate</hc:Text>
```

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```

        </hc:RatePlanDescription>
        <hc:Commission>
          <hc:CommissionPayableAmount
currencyCode="USD">7.5</hc:CommissionPayableAmount>
        </hc:Commission>
        <hc:AdditionalDetails>
          <hc:AdditionalDetail detailType="MarketingInformation">
            <hc:AdditionalDetailDescription>
              <hc:Text language="en">THANK YOU FOR YOUR
BOOKING - Marketing Text</hc:Text>
            </hc:AdditionalDetailDescription>
          </hc:AdditionalDetail>
          <hc:AdditionalDetail detailType="TaxInformation">
            <hc:AdditionalDetailDescription>
              <hc:Text language="en">STATE TAX 8.6 PCT
OCCUPANCY TAX 7 PCT - Tax Information</hc:Text>
            </hc:AdditionalDetailDescription>
          </hc:AdditionalDetail>
        </hc:AdditionalDetails>
        <hc:CancellationDateTime>2004-01-14T16:30:00.000-
05:00</hc:CancellationDateTime>
      </hc:RatePlan>
    </hc:RatePlans>
    <hc:RoomTypes>
      <hc:RoomType roomTypeCode="A1K" numberOfUnits="15"
isRoom="true">
        <hc:RoomTypeDescription>
          <hc:Text language="en">KING BED NON-SMOKING OFFERS
350 SQ FT WITH WORK AREA, TWO PHONES, SOFA CHAIR, ARMOIRE, TV, PAY PER VIEW
MOVIES / NINTENDO LARGE CLOSET NEAR GRANITE TOP MINI BAR WITH
SNACK/COFFEE/ TEA.</hc:Text>
        </hc:RoomTypeDescription>
      </hc:RoomType>
      <hc:RoomType roomTypeCode="A1Q" numberOfUnits="23"
isRoom="true">
        <hc:RoomTypeDescription>
          <hc:Text language="en">QUEEN BED NON-SMOKING
OFFERS 250 SQ FT WITH WORK AREA, ONE PHONE, SOFA CHAIR, CHEST OF DRAWERS,
TV WITH PAY-PER-VIEW MOVIES / NINTENDO, QUIET ROOMS AWAY FROM ELEVATOR
WITH AMPLE BATH AND CLOSET SPACE.</hc:Text>
        </hc:RoomTypeDescription>
      </hc:RoomType>
    </hc:RoomTypes>
    <hc:RoomRates>
      <hc:RoomRate roomTypeCode="A1K" ratePlanCode="COR">
        <hc:Rates>
          <hc:Rate rateOccurrence="DAILY"
rateChangeIndicator="true">
            <hc:Base currencyCode="USD">125.00</hc:Base>
          </hc:Rate>
        </hc:Rates>
        <hc:Total currencyCode="USD">265</hc:Total>
      </hc:RoomRate>
      <hc:RoomRate roomTypeCode="A1Q" ratePlanCode="COR">
        <hc:Rates>

```

```

        <hc:Rate rateOccurrence="DAILY"
rateChangeIndicator="false">
            <hc:Base currencyCode="USD">125.00</hc:Base>
            </hc:Rate>
        </hc:Rates>
        <hc:Total currencyCode="USD">250</hc:Total>
    </hc:RoomRate>
    <hc:RoomRate roomTypeCode="A1K" ratePlanCode="BAR">
        <hc:Rates>
            <hc:Rate rateOccurrence="DAILY"
rateChangeIndicator="true">
                <hc:Base currencyCode="USD">135.00</hc:Base>
                </hc:Rate>
            </hc:Rates>
            <hc:Total currencyCode="USD">265</hc:Total>
        </hc:RoomRate>
        <hc:RoomRate roomTypeCode="A1Q" ratePlanCode="BAR">
            <hc:Rates>
                <hc:Rate rateOccurrence="DAILY"
rateChangeIndicator="false">
                    <hc:Base currencyCode="USD">135.00</hc:Base>
                    </hc:Rate>
                </hc:Rates>
                <hc:Total currencyCode="USD">270</hc:Total>
            </hc:RoomRate>
        </hc:RoomRates>
        <hc:HotelReference hotelCode="LONMAR">Thistle Marble
Arch</hc:HotelReference>
        <hc:HotelContact>
            <hc:Addresses>
                <hc:Address>
                    <c:AddressLine>Bryanston Street</c:AddressLine>
                    <c:AddressLine>Marble Arch</c:AddressLine>
                    <c:cityName>London</c:cityName>
                    <c:countryCode>UK</c:countryCode>
                    <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>
            <hc:HotelInformation>
                <hc:HotelInfo hotelInfoType="CHECKININFO">
                    <c:Text>
                        <c:TextElement>16:00:00.000-05:00</c:TextElement>
                    </c:Text>
                </hc:HotelInfo>
                <hc:HotelInfo hotelInfoType="CHECKOUTINFO">

```



```

        <c:Text>
          <c:TextElement>12:00:00.000-05:00</c:TextElement>
        </c:Text>
      </hc:HotelInfo>
    </hc:HotelInformation>
  </hc:HotelContact>
</hc:RoomStay>
</a:RoomStayList>
</a:AvailResponseSegment>
</AvailResponseSegments>
</AvailabilityResponse>
</soap:Body>
</soap:Envelope>

```

Detail Availability Response

```

<?xml version="1.0" encoding="utf-8"?>
<soap:Envelope xmlns:soap="http://schemas.xmlsoap.org/soap/envelope/"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <soap:Header>
    <OGHeader transactionID="000032" timeStamp="2004-01-09T09:55:16.3618750-05:00"
      xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="TI" systemType="ORS"/>
      <Destination entityID="WEST" systemType="WEB"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <AvailabilityResponse xmlns:a="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/" summaryOnly="false"
      xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <Result resultStatusFlag="SUCCESS"/>
      <AvailResponseSegments>
        <a:AvailResponseSegment>
          <a:RoomStayList>
            <hc:RoomStay>
              <hc:RatePlans>
                <hc:RatePlan ratePlanCode="EXR">
                  <hc:RatePlanDescription>
                    <hc:Text>Exclusive Tax Rate</hc:Text>
                  </hc:RatePlanDescription>
                  <hc:AdditionalDetails>
                    <hc:AdditionalDetail detailType="MarketingInformation">
                      <hc:AdditionalDetailDescription>
                        <hc:Text>Thank you for Detail Booking with WEST-
SEFIVE</hc:Text>
                      </hc:AdditionalDetailDescription>
                    </hc:AdditionalDetail>
                    <hc:AdditionalDetail detailType="CancelPolicy">
                      <hc:AdditionalDetailDescription>
                        <hc:Text>Cancel By 15-AUG-05</hc:Text>
                      </hc:AdditionalDetailDescription>
                    </hc:AdditionalDetail>
                    <hc:AdditionalDetail detailType="CommissionPolicy">
                      <hc:AdditionalDetailDescription>
                        <hc:Text>No commission available</hc:Text>
                      </hc:Text>
                    </hc:AdditionalDetail>
                  </hc:AdditionalDetails>
                </hc:RatePlan>
              </hc:RatePlans>
            </hc:RoomStay>
          </a:RoomStayList>
        </a:AvailResponseSegment>
      </AvailResponseSegments>
    </AvailabilityResponse>
  </soap:Body>
</soap:Envelope>

```

```

        </hc:AdditionalDetailDescription>
    </hc:AdditionalDetail>
    <hc:AdditionalDetail detailType="DepositPolicy">
        <hc:AdditionalDetailDescription>
            <hc:Text>A deposit is mandatory please</hc:Text>
        </hc:AdditionalDetailDescription>
    </hc:AdditionalDetail>
    <hc:AdditionalDetail detailType="Promotion">
        <hc:AdditionalDetailDescription>
            <hc:Text>Come and see our new wonderful
instalations.</hc:Text>
        </hc:AdditionalDetailDescription>
    </hc:AdditionalDetail>
    <hc:AdditionalDetail detailType="TaxInformation">
        <hc:AdditionalDetailDescription>
            <hc:Text>State Tax 10 PCT City Tax 5 PCT Resort Fee
</hc:Text>
        </hc:AdditionalDetailDescription>
    </hc:AdditionalDetail>
</hc:AdditionalDetails>
<hc:DepositRequired>
    <hc:DepositAmount>240</hc:DepositAmount>
    <hc:DueDate>2005-08-08</hc:DueDate>
</hc:DepositRequired>
</hc:RatePlan>
</hc:RatePlans>
<hc:RoomTypes>
    <hc:RoomType roomTypeCode="MLQ">
        <hc:RoomTypeDescription>
            <hc:Text>MLTQ - ML 2 Queen</hc:Text>
        </hc:RoomTypeDescription>
    </hc:RoomType>
</hc:RoomTypes>
<hc:RoomRates>
    <hc:RoomRate roomTypeCode="MLQ" ratePlanCode="EXR">
        <hc:Rates>
            <hc:Rate rateChangeIndicator="false">
                <hc:Base currencyCode="USD">100</hc:Base>
                <hc:AdditionalGuestAmounts>
                    <hc:AdditionalGuestAmount
additionalGuestType="ADULT">
                        <hc:Amount currencyCode="USD">20</hc:Amount>
                    </hc:AdditionalGuestAmount>
                    <hc:AdditionalGuestAmount
additionalGuestType="CHILD">
                        <hc:Amount currencyCode="USD">0</hc:Amount>
                    </hc:AdditionalGuestAmount>
                </hc:AdditionalGuestAmounts>
                <hc:AdditionalBedAmounts>
                    <hc:AdditionalBedAmount extraBedType="ADULT">
                        <hc:Amount currencyCode="USD">15</hc:Amount>
                    </hc:AdditionalBedAmount>
                    <hc:AdditionalBedAmount extraBedType="CRIB">
                        <hc:Amount currencyCode="USD">7</hc:Amount>
                    </hc:AdditionalBedAmount>
                </hc:AdditionalBedAmounts>
            </hc:Rate>
        </hc:Rates>
    </hc:RoomRate>
</hc:RoomRates>

```

```

        </hc:Rate>
    </hc:Rates>
    <hc:Total currencyCode="USD">200</hc:Total>
</hc:RoomRate>
</hc:RoomRates>
<hc:HotelReference chainCode="WC" hotelCode="SEFIVE">Grand Hotel
on Fifth Avenue</hc:HotelReference>
<hc:HotelContact>
    <hc:Addresses>
        <hc:Address>
            <c:AddressLine>1415 Fifth Ave.</c:AddressLine>
            <c:cityName>Naples</c:cityName>
            <c:stateProv>WA</c:stateProv>
            <c:countryCode>US</c:countryCode>
            <c:postalCode>98101</c:postalCode>
        </hc:Address>
    </hc:Addresses>
    <hc:ContactEmails>
        <hc:ContactEmail>5thavesales@hotels.com</hc:ContactEmail>
    </hc:ContactEmails>
    <hc:ContactPhones>
        <hc:Phone phoneType="FAX">
            <c:PhoneNumber>206-971-8000</c:PhoneNumber>
        </hc:Phone>
        <hc:Phone phoneType="VOICE">
            <c:PhoneNumber>206-971-8100</c:PhoneNumber>
        </hc:Phone>
    </hc:ContactPhones>
    <hc:HotelInformation>
        <hc:HotelInfo hotelInfoType="CHECKININFO">
            <c:Text>
                <c:Text>2PM</c:Text>
            </c:Text>
        </hc:HotelInfo>
        <hc:HotelInfo hotelInfoType="CHECKOUTINFO">
            <c:Text>
                <c:Text>12PM</c:Text>
            </c:Text>
        </hc:HotelInfo>
    </hc:HotelInformation>
</hc:HotelContact>
    <hc:ExpectedCharges TotalRoomRateAndPackages="200"
TotalTaxesAndFees="40" TaxInclusive="false">
        <hc:ChargesForPostingDate PostingDate="2005-08-15">
            <hc:RoomRateAndPackages TotalCharges="100">
                <hc:Charges>
                    <hc:Description>BASE RATE</hc:Description>
                    <hc:Amount currencyCode="USD">100</hc:Amount>
                </hc:Charges>
            </hc:RoomRateAndPackages>
            <hc:TaxesAndFees TotalCharges="20">
                <hc:Charges>
                    <hc:Description>2200 Resort Fee</hc:Description>
                    <hc:Amount currencyCode="USD">5</hc:Amount>
                </hc:Charges>
            </hc:TaxesAndFees>
        </hc:ChargesForPostingDate>
    </hc:ExpectedCharges>
</hc:Hotel>

```

```

        <hc:Description>2110 City Tax 5%</hc:Description>
        <hc:Amount currencyCode="USD">5</hc:Amount>
    </hc:Charges>
    <hc:Charges>
        <hc:Description>2100 State Tax 10%</hc:Description>
        <hc:Amount currencyCode="USD">10</hc:Amount>
    </hc:Charges>
</hc:TaxesAndFees>
</hc:ChargesForPostingDate>
<hc:ChargesForPostingDate PostingDate="2005-08-16">
    <hc:RoomRateAndPackages TotalCharges="100">
        <hc:Charges>
            <hc:Description>BASE RATE</hc:Description>
            <hc:Amount currencyCode="USD">100</hc:Amount>
        </hc:Charges>
    </hc:RoomRateAndPackages>
    <hc:TaxesAndFees TotalCharges="20">
        <hc:Charges>
            <hc:Description>2200 Resort Fee</hc:Description>
            <hc:Amount currencyCode="USD">5</hc:Amount>
        </hc:Charges>
        <hc:Charges>
            <hc:Description>2110 City Tax 5%</hc:Description>
            <hc:Amount currencyCode="USD">5</hc:Amount>
        </hc:Charges>
        <hc:Charges>
            <hc:Description>2100 State Tax 10%</hc:Description>
            <hc:Amount currencyCode="USD">10</hc:Amount>
        </hc:Charges>
    </hc:TaxesAndFees>
</hc:ChargesForPostingDate>
</hc:ExpectedCharges>
</hc:RoomStay>
</a:RoomStayList>
</a:AvailResponseSegment>
</AvailResponseSegments>
</AvailabilityResponse>
</soap:Body>
</soap:Envelope>

```

AvailabilityResponse

```
<xs:element name="AvailabilityResponse" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Result" type="hc:GDSResultStatus" />
      <xs:element minOccurs="0" name="AvailResponseSegments" type="a:AvailResponseSegmentList" />
    </xs:sequence>
    <xs:attribute name="summaryOnly" type="xs:boolean" use="required" />
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
Result	element	GDSResultStatus	required	Primary indication of success of failure of transaction.
AvailResponseSegments	element	AvailResponseSegmentList	optional	If the query returns availability, that data will be contained in a single AvailResponseSegment contained in this element (list).
summaryOnly	attribute	boolean	required	Indicates whether or not this response is a General Availability response (true) or Detail Availability for a specific Rate/Room pair (false).

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	Used only in the event of an error. Used to convey the GDS error segment, code and message for an error during the transaction.

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	none	Primary indication of success or failure of called function.

TextList

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

<pre><xs:element maxOccurs="unbounded" name="TextElement" type="tns:Text" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
TextElement	element	Text	required	In this context, encapsulates text error message string(s).

TextElement				
<pre><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></pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	optional	Not used in this context.
language	attribute	language	optional	Not used in this context.

AvailResponseSegmentList				
<pre><xs:complexType name="AvailResponseSegmentList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="AvailResponseSegment" type="tns:AvailResponseSegment" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
AvailResponseSegment	element	AvailResponseSegment	required	If parent element exists, at least one element is required.

AvailResponseSegment				
<pre><xs:complexType name="AvailResponseSegment" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element name="RoomStayList" type="hc:RoomStayList" /> </xs:sequence> <xs:attribute name="moreDataEchoToken" type="xs:string" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RoomStayList	element	RoomStayList	required	If availability is returned, it will be represented by one and only one room stay element contained in this list.
moreDataEchoToken	attribute	string	optional	If more data is available that rules permit to be returned in a single message, a token will be returned in this attribute that can be submitted with any subsequent message to return the next "chunk" of availability data.

RoomStayList				
<pre><xs:complexType name="RoomStayList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="RoomStay" type="RoomStay" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RoomStay	element	RoomStay	required	If parent element exists, at least one

				RoomStay must be present.
--	--	--	--	---------------------------

RoomStay

```
<xs:complexType name="RoomStay">
  <xs:sequence>
    <xs:element name="RatePlans" type="RatePlanList" minOccurs="0"/>
    <xs:element name="RoomTypes" type="RoomTypeList" minOccurs="0"/>
    <xs:element name="RoomRates" type="RoomRateList" minOccurs="0"/>
    <xs:element name="GuestCounts" type="GuestCountList" minOccurs="0"/>
    <xs:element name="TimeSpan" type="TimeSpan" minOccurs="0"/>
    <xs:element name="Guarantee" type="Guarantee" minOccurs="0"/>
    <xs:element name="Payment" type="Payment" minOccurs="0"/>
    <xs:element name="CreditCardDeposit" type="CreditCardPayment" minOccurs="0"/>
    <xs:element name="CancelPenalties" type="CancelPenaltyList" minOccurs="0"/>
    <xs:element name="CancelTerm" type="CancelTerm" minOccurs="0"/>
    <xs:element name="HotelReference" type="HotelReference" minOccurs="0"/>
    <xs:element name="HotelContact" type="HotelContact" minOccurs="0"/>
    <xs:element name="Total" type="c:Amount" minOccurs="0"/>
    <xs:element name="ResGuestRPHs" type="ResGuestRPHList" minOccurs="0"/>
    <xs:element name="Comments" type="ReservationCommentList" minOccurs="0"/>
    <xs:element name="SpecialRequests" type="SpecialRequestList" minOccurs="0"/>
    <xs:element name="Packages" type="PackageElementList" minOccurs="0"/>
    <xs:element name="HotelExtendedInformation" type="ExtendedHotelInfo" minOccurs="0"/>
    <xs:element name="DailyChargePoints" type="TimeSpanPointsList" minOccurs="0"/>
    <xs:element name="MemberAwardInfo" type="m:MemberAwardInfo" minOccurs="0"/>
    <xs:element name="ExpectedCharges" type="DailyChargeList" minOccurs="0"/>
  </xs:sequence>
  <xs:attribute name="isAlternate" type="xs:boolean"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RatePlans	element	RatePlanList	optional	Collection of RatePlan elements providing basic information on each available rate code.
RoomTypes	element	RoomTypeList	optional	Collection of RoomType elements that provide basic information about each available room type.
RoomRates	element	RoomRateList	optional	Collection of price and other data elements, one per available rate room pair.
GuestCounts	element	GuestCountList	not used	Not used in this context.
TimeSpan	element	TimeSpan	not used	Not used in this context.
Guarantee	element	Guarantee	not used	Not used in this context.
Payment	element	Payment	not used	Not used in this context.
CreditCardDeposit	element	CreditCardPayment	not used	Not used in this context.
CancelPenalties	element	CancelPenaltyList	not used	Not used in this context.
CancelTerm	element	CancelTerm	not used	Not used in this context.
HotelReference	element	HotelReference	not used	Not used in this context.
HotelContact	element	HotelContact	not used	Not used in this context.
Total	element	Amount	not used	Not used in this context.
ResGuestRPHs	element	ResGuestRPHList	not used	Not used in this context.
Comments	element	ReservationCommentList	not used	Not used in this context.
SpecialRequests	element	SpecialRequestList	not used	Not used in this context.
Packages	element	PackageElementList	not used	Not used in this context.
HotelExtendedInformation	element	ExtendedHotelInfo	not used	Not used in this context.
DailyChargePoints	element	TimeSpanPointsList		
MemberAwardInfo	element	MemberAwardInfo		

ExpectedCharges	element	DailyChargeList		
isAlternate	attribute	boolean	optional	A general availability transaction will return alternate availability by including MULTIPLE RoomStay objects, each marked with this attribute set to true. This is the only case when multiple RoomStay elements are permitted in response segment.

RatePlanList

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

Name	Type	Data Type	Use	Comment
RatePlan	element	RatePlan	required	

RatePlan

```
<xs:complexType name="RatePlan">
  <xs:sequence>
    <xs:element name="RatePlanDescription" type="Paragraph" minOccurs="0"/>
    <xs:element name="Commission" type="Commission" minOccurs="0"/>
    <xs:element name="AdditionalDetails" type="AdditionalDetailList" minOccurs="0"/>
    <xs:element name="CancellationDateTime" type="CancelDateTime" minOccurs="0"/>
    <xs:element name="DepositRequired" type="DepositRequirement"/>
  </xs:sequence>
  <xs:attribute name="ratePlanCategory" type="xs:string"/>
  <xs:attribute name="ratePlanCode" type="xs:string" use="required"/>
  <xs:attribute name="promotionCode" type="xs:string"/>
  <xs:attribute name="qualifyingIdType" type="xs:string"/>
  <xs:attribute name="qualifyingIdValue" type="xs:string"/>
  <xs:attribute name="effectiveDate" type="xs:date"/>
  <xs:attribute name="expirationDate" type="xs:date"/>
  <xs:attribute name="hold" type="xs:boolean"/>
  <xs:attribute name="mandatoryDeposit" type="xs:boolean"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RatePlanDescription	element	Paragraph	optional	Text description of the rate code.
Commission	element	Commission	optional	Any commission amounts / percentages specifically tied to this rate
AdditionalDetails	element	AdditionalDetailList	optional	Collection of AdditionalDetail elements used for various policies associated with subject rate.
CancellationDateTime	element	CancelDateTime	optional	Any cancellation time or rules that may be appropriate.
DepositRequired	element	DepositRequirement	optional	Deposit Requirements
ratePlanCategory	attribute	string	required	Rate plan category code as defined in channel setup.
ratePlanCode	attribute	string	optional	Rate plan code
promotionCode	attribute	string	optional	If request is result of a query based on promotion code, the code will be echoed in this attribute.
qualifyingIdType	attribute	string	optional	If a specific negotiated rate was

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				included in response as a result of a qualifying ID, the type of ID required / included.
qualifyingIdValue	attribute	string	not used	If a specific negotiated rate was included in the response, the actual value of the qualifying id.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	optional	Not used in this context.
hold	attribute	boolean	optional	Indicates whether or not a hold is available on this rate.
mandatoryDeposit	attribute		optional	Indicates whether or not a deposit is a mandatory condition of this rate.

Paragraph

```
<xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="99">
    <xs:element name="Text" type="c:Text" />
    <xs:element name="Image" type="xs:string" />
    <xs:element name="URL" type="xs:anyURI" />
  </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	Text	required	Array of Text elements that collectively contain the rate plan description.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

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	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

Commission

```
<xs:complexType name="Commission" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="CommissionPayableAmount" type="c:Amount" />
    <xs:element minOccurs="0" name="Comment" type="Paragraph" />
  </xs:sequence>
  <xs:attribute name="percent" type="Percentage" />
  <xs:attribute name="currencyCode" type="xs:string" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
CommissionPayableAmount	element	Amount	optional	If the commission is a fixed amount, use this element to display.
Comment	element	Paragraph	not used	Not used in this context
percent	attribute	Percentage	optional	If the commission is a percentage, use this attribute to render value.
currencyCode	attribute	string	optional	If commission is a percentage, this

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				field is operationally required.
--	--	--	--	----------------------------------

Amount

```
<xs:complexType name="Amount" 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	If amount is populated, this field is operationally required.

Percentage

```
<xs:simpleType name="Percentage">
  <xs:restriction base="xs:decimal">
    <xs:minInclusive value="0.01"/>
    <xs:maxInclusive value="100.00"/>
  </xs:restriction>
</xs:simpleType>
```

AdditionalDetailList

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

Name	Type	Data Type	Use	Comment
AdditionalDetail	element	AdditionalDetail	required	If parent element exists, at least one AdditionalDetail element is required.

AdditionalDetail

```
<xs:complexType name="AdditionalDetail" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="AdditionalDetailDescription" type="Paragraph" />
  </xs:sequence>
  <xs:attribute name="detailType" type="AdditionalDetailType" use="required" />
  <xs:attribute name="otherDetailType" type="xs:string" use="optional" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AdditionalDetailDescription	element	Paragraph	optional	Paragraph providing additional detail text or value.
detailType	attribute	AdditionalDetailType	required	An enumerated value of type Additional Detail Types is required.
otherDetailType	attribute	string	optional	If the enumerated type OTHER is selected in the previous attribute, this field is required.

Paragraph

```
<xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="99">
    <xs:element name="Text" type="c:Text" />
    <xs:element name="Image" type="xs:string" />
    <xs:element name="URL" type="xs:anyURI" />
  </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
------	------	-----------	-----	---------

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Text	element	Text	required	Array of text elements representing the actual value of the comment or detail provided.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

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	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

AdditionalDetailType

```
<xs:simpleType name="AdditionalDetailType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="RateRules"/>
    <xs:enumeration value="MarketingInformation"/>
    <xs:enumeration value="DepositPolicy"/>
    <xs:enumeration value="Promotion"/>
    <xs:enumeration value="CommissionPolicy"/>
    <xs:enumeration value="GuaranteePolicy"/>
    <xs:enumeration value="Miscellaneous"/>
    <xs:enumeration value="PackageOptions"/>
    <xs:enumeration value="PenaltyPolicy"/>
    <xs:enumeration value="TASpecialRequest"/>
    <xs:enumeration value="TaxInformation"/>
    <xs:enumeration value="CancelPolicy"/>
    <xs:enumeration value="ProprietaryGDSCode"/>
    <xs:enumeration value="Other"/>
  </xs:restriction>
</xs:simpleType>
```

CancelDateTime (Root value contains cancellation date time representation)

```
<xs:complexType name="CancelDateTime">
  <xs:simpleContent>
    <xs:extension base="xs:dateTime">
      <xs:attribute name="period" type="xs:duration" use="optional"/>
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
period	attribute	duration	optional	The difference between the check-in time applied to arrival date and the date and time specified in the root value of this element.

DepositRequirement

```
<xs:complexType name="DepositRequirement">
  <xs:all>
    <xs:element name="DepositAmount" type="c:Amount"/>
    <xs:element name="DueDate" type="xs:date" minOccurs="0"/>
  </xs:all>
</xs:complexType>
```

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Name	Type	Data Type	Use	Comment
DepositAmount	element	Amount	required	
DueDate	element	date	required	

Amount

```
<xs:complexType name="Amount" 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	If amount is populated, this field is operationally required.

RoomTypeList

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

Name	Type	Data Type	Use	Comment
RoomType	element	RoomType	required	If parent element populated, at least one RoomType element is required.

RoomType

```
<xs:complexType name="RoomType" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="RoomTypeDescription" type="Paragraph" />
  </xs:sequence>
  <xs:attribute name="roomTypeCode" type="xs:string" use="required" />
  <xs:attribute name="upgradeFromCode" type="xs:string" />
  <xs:attribute name="invBlockCode" type="xs:string" />
  <xs:attribute name="numberOfUnits" type="xs:int" />
  <xs:attribute name="isRoom" type="xs:boolean" />
  <xs:attribute name="effectiveDate" type="xs:date" />
  <xs:attribute name="expirationDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RoomTypeDescription	element	Paragraph	optional	Paragraph containing description of subject room type.
roomTypeCode	attribute	string	required	Channel converted room type code.
upgradeFromCode	attribute	string	optional	Room type upgrade
invBlockCode	attribute	string	optional	The number of rooms available at the moment of transaction.
numberOfUnits	attribute	int	optional	For this interface instance, will always be set to a default value of "true".
isRoom	attribute	boolean	not used	Not used in this context.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	optional	Paragraph containing description of subject room type.

Paragraph

```
<xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="99">
    <xs:element name="Text" type="c:Text" />
    <xs:element name="Image" type="xs:string" />
  </xs:choice>
</xs:complexType>
```

<pre><xs:element name="URL" type="xs:anyURI" /> </xs:choice> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	Collection of Text elements containing description of room type.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text (RoomType context)

<pre><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></pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

RoomRateList

<pre><xs:complexType name="RoomRateList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="RoomRate" type="RoomRate" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
RoomRate	element	RoomRate	required	If parent element is present, at least one RoomRate object is required.

RoomRate

<pre><xs:complexType name="RoomRate" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="Rates" type="RateList" /> <xs:element minOccurs="0" name="InvBlockDescription" type="Paragraph" /> <xs:element minOccurs="0" name="Total" type="c:Amount" /> </xs:sequence> <xs:attribute name="roomTypeCode" type="xs:string" use="required" /> <xs:attribute name="ratePlanCode" type="xs:string" use="required" /> <xs:attribute name="effectiveDate" type="xs:date" /> <xs:attribute name="expirationDate" type="xs:date" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Rates	element	RateList	optional	An array of Rate objects. In the case of General Availability, only one rate element will be present. In the case of Detail Availability response, there may be more than one.
InvBlockDescription	element	Paragraph	future	Reserved for future use.
Total	element	Amount	optional	Total element containing the anticipated total amount of the stay.
roomTypeCode	attribute	string	required	The channel converted room type for subject rate room pair.
ratePlanCode	attribute	string	required	The channel converted rate code for subject rate room pair.
effectiveDate	attribute	date	not used	Not used in this context.

expirationDate	attribute	date	not used	Not used in this context.
----------------	-----------	------	----------	---------------------------

RateList

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

Name	Type	Data Type	Use	Comment
Rate	element	Rate	required	If parent element exists, at least one Rate element must be present.

Rate

```
<xs:complexType name="Rate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="Base" type="c:Amount" />
    <xs:element minOccurs="0" name="AdditionalGuestAmounts" type="AdditionalGuestAmountList" />
    <xs:element minOccurs="0" name="AdditionalBedAmounts" type="AdditionalBedAmountList" />
  </xs:sequence>
  <xs:attribute name="effectiveDate" type="xs:date" />
  <xs:attribute name="expirationDate" type="xs:date" />
  <xs:attribute name="rateOccurrence" type="RateOccurrenceType" />
  <xs:attribute name="otherRateOccurrence" type="xs:string" />
  <xs:attribute name="rateChangeIndicator" type="xs:boolean" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Base	element	Amount	required	The anticipated daily or base rate for the stay.
AdditionalGuestAmounts	element	AdditionalGuestAmountList	optional	Not used in general availability response. In detail availability response will be populated if additional guest amounts are attached to rate.
AdditionalBedAmounts	element	AdditionalBedAmountList	optional	Not used in general availability response. In detail availability response will be populated if additional bed amounts are attached to rate.
effectiveDate	attribute	date	optional	Not used in general availability response. In detail availability, if there are rate amount changes throughout the length of stay, these dates become operationally required.
expirationDate	attribute	date	optional	
rateOccurrence	attribute	RateOccurrenceType	optional	For this interface instance will always be set to "Daily".
otherRateOccurrence	attribute	string	not used	Not used in this context.
rateChangeIndicator	attribute	boolean	optional	If there is a change in rate amount at any point throughout the duration of the stay, this flag must be set.

Amount

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<pre><xs:complexType name="Amount" 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></pre>				
Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	none	ISO Currency code of base amount.

AdditionalGuestAmountList				
<pre><xs:complexType name="AdditionalGuestAmountList" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element maxOccurs="unbounded" name="AdditionalGuestAmount" type="AdditionalGuestAmount" /> </xs:sequence> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
AdditionalGuestAmount	element	AdditionalGuestAmount	required	List of AdditionalGuest-Amount elements.

AdditionalGuestAmount				
<pre><xs:complexType name="AdditionalGuestAmount" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element minOccurs="0" name="Amount" type="c:Amount" /> </xs:sequence> <xs:attribute name="additionalGuestType" type="AgeQualifyingCode" use="required" /> <xs:attribute name="otherAdditionalGuestType" type="xs:string" /> <xs:attribute name="quantity" type="xs:int" /> </xs:complexType></pre>				
Name	Type	Data Type	Use	Comment
Amount	element	Amount	optional	The chargeable amount per extra guest of this type.
additionalGuestType	attribute	AgeQualifyingCode	required	Enumerated age qualifying code.
otherAdditionalGuestType	attribute	string	none	If 'OTHER' is selected as value for previous attribute, then this field become operationally required.
quantity	attribute	int	not used	Not used in this context.

Amount				
<pre><xs:complexType name="Amount" 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></pre>				
Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	none	The currency coded associated with value in root.

AgeQualifyingCode				
<pre><xs:simpleType name="AgeQualifyingCode"> <xs:restriction base="xs:string"> <xs:enumeration value="ADULT"/> <xs:enumeration value="CHILD"/> <xs:enumeration value="OTHER"/> </xs:restriction> </xs:simpleType></pre>				

AdditionalBedAmountList

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

Name	Type	Data Type	Use	Comment
AdditionalBedAmount	element	AdditionalBedAmount	required	List of AdditionalBed-Amount elements.

AdditionalBedAmount

```
<xs:complexType name="AdditionalBedAmount" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Amount" type="c:Amount" />
  </xs:sequence>
  <xs:attribute name="extraBedType" type="AdditionalBedType" use="required" />
  <xs:attribute name="otherExtraBedType" type="xs:string" />
  <xs:attribute name="quantity" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Amount	element	Amount	optional	The chargeable amount per extra bed of this type.
extraBedType	attribute	AdditionalBedType	required	Enumerated additional bed type value.
otherExtraBedType	attribute	string	none	If 'OTHER' is selected as value for previous attribute, then this field become operationally required.
quantity	attribute	int	none	Not used in this context.

Amount

```
<xs:complexType name="Amount" 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.

AdditionalBedType

```
<xs:simpleType name="AdditionalBedType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ADULT"/>
    <xs:enumeration value="CHILD"/>
    <xs:enumeration value="CRIB"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>
```

RateOccurrenceType

```
<xs:simpleType name="RateOccurrenceType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="DAILY"/>
    <xs:enumeration value="WEEKLY"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
```


</xs:simpleType>

TimeSpan

```
<xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:annotation>
    <xs:documentation xml:lang="en">Measure of time from a StartDate to either specified EndDate or
StartDate plus Duration.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element name="StartDate" type="xs:dateTime" />
    <xs:choice>
      <xs:annotation>
        <xs:documentation xml:lang="en">Allows for a choice in description of the amount of time spanned by
this type. EndDate specifies a specific date, while Duration provides a measure of time to add to the StartDate to
yield end date.</xs:documentation>
      </xs:annotation>
      <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	The start date of the date range for which availability is to be queried.
EndDate	element	dateTime	required / choice	The end (departure) date of the date range for which availability is to be queried.
Duration	element	duration	not used / choice	Reserved for future use.

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:sequence>
</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

```
<xs:complexType name="PaymentsAccepted">
  <xs:sequence>
    <xs:element name="PaymentType" type="PaymentType" maxOccurs="unbounded"/>
  </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.

PaymentType

```
<xs:complexType name="PaymentType">
  <xs:sequence>
    <xs:choice>
      <xs:element name="PaymentCard" type="c:CreditCard" minOccurs="0"/>
      <xs:element name="PaymentVoucher" type="Voucher" minOccurs="0"/>
    </xs:choice>
  </xs:sequence>
</xs:complexType>
```

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<pre> <xs:element name="OtherPayment" type="OtherPaymentType" minOccurs="0"/> </xs:choice> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
PaymentCard	element	CreditCard	optional	
PaymentVoucher	element	Voucher	optional	
OtherPayment	element	OtherPaymentType	optional	

CreditCard <pre> <xs:complexType name="CreditCard"> <xs:sequence> <xs:element name="cardCode" type="xs:string"/> <xs:element name="cardHolderName" type="xs:string" minOccurs="0"/> <xs:element name="cardNumber" type="xs:string"/> <xs:element name="seriesCode" type="xs:string" minOccurs="0"/> <xs:element name="effectiveDate" type="xs:date" minOccurs="0"/> <xs:element name="expirationDate" type="xs:date"/> </xs:sequence> <xs:attribute name="cardType" type="xs:string"/> <xs:attribute name="otherCardType" type="xs:string"/> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
cardCode	element	string	required	
cardHolderName	element	string	required	
cardNumber	element	string	required	
seriesCode	element	string	optional	
effectiveDate	element	date	optional	
expirationDate	element	date	required	
cardType	attribute	string	optional	
otherCardType	attribute	string	optional	

Voucher <pre> <xs:complexType name="Voucher"> <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> </pre>				
Name	Type	Data Type	Use	Comment
voucherNumber	attribute	string	optional	
voucherIssuedBy	attribute	string	optional	
voucherValidDate	attribute	dateTime	optional	

OtherPaymentType <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
type	attribute	string	optional	
value	attribute	string	required	
source	attribute	string	optional	

HotelReference <pre> <xs:complexType name="HotelReference" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:simpleContent> <xs:extension base="xs:string"> </pre>				
---	--	--	--	--

<pre> <xs:attribute name="chainCode" type="xs:string" use="optional" /> <xs:attribute name="hotelCode" type="xs:string" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
chainCode	attribute	string	optional	Channel converted chain code for alternate resort or property.
hotelCode	attribute	string	required	Channel converted hotel / property code for alternate resort or property.

HotelContact				
<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
Addresses	element	AddressList	optional	The street address(es) of the alternate resort.
ContactEmails	element	ContactEmailList	optional	Property contact email. Not returned for alternate resort.
ContactPhones	element	PhoneList	optional	Property contact phone. Not returned for alternate resort.
HotelInformation	element	HotelInfoList	optional	Additional hotel information. In this context will include only check-in and check-out times. Not returned for alternate resort.
URIs	element	URIList	not used	Not used in this context
Vector	element	Vector	optional	If alternate resort, the distance and direction from queried property to alternate.

AddressList				
<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
Address	element	Address	required	If parent element is present, at least on Address must be present.

Address				
<pre> <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="countryCode" type="xs:string" /> <xs:element minOccurs="0" name="postalCode" type="xs:string" /> </xs:sequence> <xs:attribute name="addressType" type="xs:string" /> <xs:attribute name="otherAddressType" type="xs:string" /> </pre>				

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</xs:complexType>				
Name	Type	Data Type	Use	Comment
AddressLine	element	string	optional	Up to 5 lines of street address.
cityName	element	string	optional	
stateProv	element	string	optional	
countryCode	element	string	optional	
postalCode	element	string	optional	
addressType	attribute	string	not used	Not used in this context
otherAddressType	attribute	string	not used	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="Email" /> </xs:sequence> </xs:complexType>				
Name	Type	Data Type	Use	Comment
ContactEmail	element	Email	required	Collection of Email addresses (string values)

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

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 role of the number provided, as in HOME, or BUSINESS.
-----------	-----------	--------	----------	---

HotelInfoList

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

Name	Type	Data Type	Use	Comment
HotelInfo	element	HotelInfo	required	If parent element is present, at least one HotelInfo element must also be present.

HotelInfo

```
<xs:complexType name="HotelInfo" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:complexContent mixed="false">
    <xs:extension base="c:DescriptiveText">
      <xs:attribute name="hotelInfoType" type="HotelInfoType" use="required" />
      <xs:attribute name="otherHotelInfoType" type="xs:string" use="optional" />
    </xs:extension>
  </xs:complexContent>
</xs:complexType>
```

Extends DescriptiveText

Name	Type	Data Type	Use	Comment
hotelInfoType	attribute	HotelInfoType	required	In this context, only two options will be checkin and checkout info.
otherHotelInfoType	attribute	string	not used	Not used in this context.

DescriptiveText

```
<xs:complexType name="DescriptiveText" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice>
    <xs:element name="Text" type="tns:TextList" />
    <xs:element name="Image" type="xs:string" />
    <xs:element name="Url" type="xs:anyURI" />
  </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	TextList	required	Text list object containing check-in or check-out info.
Image	element	string	not used	Not used in this context.
Url	element	anyURI	not used	Not used in this context.

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	Text element containing check-in or check-out info. If parent element is present, at least one TextElement must be present as well.

Text – In this context, contains text value representing either check-in or check-out time information.

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

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```

    <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	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

HotelInfoType

```

<xs:simpleType name="HotelInfoType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="DIRECTIONS"/>
    <xs:enumeration value="CHECKININFO"/>
    <xs:enumeration value="CHECKOUTINFO"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>

```

Vector (This element will present and populated *only if parent RoomStay is marked as an alternate resort*)

```

<xs:complexType name="Vector" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:annotation>
    <xs:documentation>Measure of distance, direction and scale from one location to another.</xs:documentation>
  </xs:annotation>
  <xs:sequence>
    <xs:element minOccurs="0" name="Direction" type="VectorDirection" />
    <xs:element minOccurs="0" name="Distance" type="VectorDistance" />
  </xs:sequence>
</xs:complexType>

```

Name	Type	Data Type	Use	Comment
Direction	element	VectorDirection	optional	Points to alternate from originally queried property.
Distance	element	VectorDistance	optional	Distance to alternate from originally queried property.

VectorDirection (This element will present and populated *only if parent RoomStay is marked as an alternate resort*)

```

<xs:complexType name="VectorDirection" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:attribute name="vectorDirection" type="VectorDirectionType" use="required" />
  <xs:attribute name="otherVectorDirection" type="xs:string" use="optional" />
</xs:complexType>

```

Name	Type	Data Type	Use	Comment
vectorDirection	attribute	VectorDirectionType	required	One of the enumerated VectorDirection values.
otherVectorDirection	attribute	string	optional	If enumerated value selected is OTHER, then this attribute becomes required.

VectorDirectionType

```

<xs:simpleType name="VectorDirectionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="North"/>
    <xs:enumeration value="NorthEast"/>
    <xs:enumeration value="East"/>
    <xs:enumeration value="SouthEast"/>
    <xs:enumeration value="South"/>
    <xs:enumeration value="SouthWest"/>
    <xs:enumeration value="West"/>
  </xs:restriction>
</xs:simpleType>

```

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```

        <xs:enumeration value="NorthWest"/>
        <xs:enumeration value="Other"/>
    </xs:restriction>
</xs:simpleType>

```

VectorDistance (This element will present and populated *only if parent RoomStay is marked as an alternate resort*)

```

<xs:complexType name="VectorDistance" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:simpleContent>
    <xs:extension base="xs:double">
      <xs:attribute name="distanceUnit" type="DistanceUnitType" use="required" />
      <xs:attribute name="otherDistanceUnit" type="xs:string" use="optional" />
    </xs:extension>
  </xs:simpleContent>
</xs:complexType>

```

Name	Type	Data Type	Use	Comment
distanceUnit	attribute	DistanceUnitType	required	One of the enumerated DistanceUnit values.
otherDistanceUnit	attribute	string	optional	If enumerated value selected is OTHER, then this attribute becomes required.

DistanceUnitType

```

<xs:simpleType name="DistanceUnitType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="Km"/>
    <xs:enumeration value="Mi"/>
    <xs:enumeration value="Other"/>
  </xs:restriction>
</xs:simpleType>

```

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.

PackageElementList

```

<xs:complexType name="PackageElementList">
  <xs:sequence>
    <xs:element name="Package" type="PackageElement" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>

```

Name	Type	Data Type	Use	Comment
Package	element	PackageElement	required	

PackageElement

```

<xs:complexType name="PackageElement" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="Amount" type="c:Amount"/>
    <xs:element name="Description" type="c:DescriptiveText" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="packageCode" type="xs:string" use="required"/>

```

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<code><xs:attribute name="calculationRule" type="xs:string" use="optional"/></code> <code><xs:attribute name="postingRhythm" type="xs:string" use="optional"/></code> <code></xs:complexType></code>				
Name	Type	Data Type	Use	Comment
Amount	element	Amount	required	
Description	element	DescriptiveText	optional	
packageCode	attribute	string	required	
calculationRule	attribute	string	optional	
postingRhythm	attribute	string	optional	

Amount

```
<xs:complexType name="Amount" 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.

DescriptiveText

```
<xs:complexType name="DescriptiveText" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="99">
    <xs:element name="Text" type="c:Text" />
    <xs:element name="Image" type="xs:string" />
    <xs:element name="URL" type="xs:anyURI" />
  </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	Text	required	Text list object containing package info.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text

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

Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	optional	
language	attribute	language	optional	

ExtendedHotelInfo

```
<xs:complexType name="ExtendedHotelInfo">
  <xs:sequence>
    <xs:element name="HotelInformation" type="HotelInfoList" minOccurs="0"/>
    <xs:element name="PaymentMethods" type="PaymentsAccepted" minOccurs="0"/>
    <xs:element name="AmenityInfo" type="AmenityInfo" minOccurs="0"/>
    <xs:element name="Position" type="GeoCode" minOccurs="0">
      <xs:annotation>
        <xs:documentation>Position of the hotel in Geo Codes</xs:documentation>
      </xs:annotation>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```


<pre> <xs:element name="FacilityInfo" type="FacilityInfoType" minOccurs="0"/> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
HotelInformation	element	HotelInfoList	optional	
PaymentMethods	element	PaymentsAccepted	optional	
AmenityInfo	element	AmenityInfo	optional	
Position	element	GeoCode	optional	
FacilityInfo	element	FacilityInfoType	optional	

HotelInfoList				
<pre> <xs:complexType name="HotelInfoList"> <xs:sequence> <xs:element name="HotelInfo" type="HotelInfo" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
HotelInfo	element	HotelInfo	optional	

HotelInfo				
<pre> <xs:complexType name="HotelInfo"> <xs:complexContent> <xs:extension base="c:DescriptiveText"> <xs:attribute name="hotelInfoType" type="HotelInfoType" use="required"/> <xs:attribute name="otherHotelInfoType" type="xs:string" use="optional"/> </xs:extension> </xs:complexContent> </xs:complexType> </pre>				
Extends	DescriptiveText			
Name	Type	Data Type	Use	Comment
hotelInfoType	attribute	HotelInfoType	required	
otherHotelInfoType	attribute	String	optional	

DescriptiveText				
<pre> <xs:complexType name="DescriptiveText"> <xs:choice> <xs:element name="Text" type="tns:TextList"/> <xs:element name="Image" type="xs:string"/> <xs:element name="Url" type="xs:anyURI"/> </xs:choice> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
Text	element	TextList	optional	
Image	element	String	optional	
Url	element	anyURI	optional	

TextList				
<pre> <xs:complexType name="TextList"> <xs:sequence> <xs:element name="TextElement" type="tns:Text" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
TextElement	element	Text	optional	

Text				
<pre> <xs:complexType name="Text"> <xs:simpleContent> </pre>				

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<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	optional	
language	attribute	language	optional	

HotelInfoType

```

<xs:simpleType name="HotelInfoType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="DIRECTIONS"/>
    <xs:enumeration value="CHECKININFO"/>
    <xs:enumeration value="CHECKOUTINFO"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>

```

PaymentsAccepted

```

<xs:complexType name="PaymentsAccepted">
  <xs:sequence>
    <xs:element name="PaymentType" type="PaymentType" maxOccurs="unbounded"/>
  </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.

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:sequence>
</xs:complexType>

```

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

CreditCard

```

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

```

Name	Type	Data Type	Use	Comment
cardCode	element	string	required	
cardHolderName	element	string	required	

cardNumber	element	string	required	
seriesCode	element	string	optional	
effectiveDate	element	date	optional	
expirationDate	element	date	required	
cardType	attribute	string	optional	
otherCardType	attribute	string	optional	

Voucher

```
<xs:complexType name="Voucher">
  <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	

AmenityInfo

```
<xs:complexType name="AmenityInfo">
  <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	

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	

Amenity

```
<xs:complexType name="Amenity">
```

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```

<xs:annotation>
  <xs:documentation>Used to describe both room type and property amenities.</xs:documentation>
</xs:annotation>
<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"/>
      <xs:enumeration value="ConferenceRoom"/>
      <xs:enumeration value="BusinessCentre"/>
      <xs:enumeration value="Pets"/>
      <xs:enumeration value="RoomService"/>
      <xs:enumeration value="Restaurant"/>
      <xs:enumeration value="SwimmingPool"/>
      <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	

GeoCode

```

<xs:complexType name="GeoCode">
  <xs:attribute name="latitude" type="xs:string" use="optional">
    <xs:annotation>
      <xs:documentation xml:lang="en">The measure of the angular distance on a meridian north or south of the equator.</xs:documentation>
    </xs:annotation>
  </xs:attribute>
  <xs:attribute name="longitude" type="xs:string" use="optional">
    <xs:annotation>

```

<pre> <xs:documentation xml:lang="en">The measure of the angular distance on a meridian east or west of the prime meridian.</xs:documentation> </xs:annotation> </xs:attribute> <xs:attribute name="altitude" type="xs:string" use="optional"> <xs:annotation> <xs:documentation xml:lang="en">The height of an item, typically above sea level.</xs:documentation> </xs:annotation> </xs:attribute> </xs:complexType> </pre>				
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.

FacilityInfoType				
<pre> <xs:complexType name="FacilityInfoType"> <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="dateRenovated" type="xs:date" use="optional"/> </xs:complexType> </pre>				
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	
dateRenovated	attribute	date	optional	

RestaurantsType				
<pre> <xs:complexType name="RestaurantsType"> <xs:sequence> <xs:element name="Restaurant" minOccurs="0" maxOccurs="unbounded"> <xs:complexType> <xs:sequence> <xs:element name="RestaurantDescription" type="Paragraph" minOccurs="0" maxOccurs="5"/> </xs:sequence> </xs:complexType> </xs:element> </xs:sequence> </pre>				

```

<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:element>
</xs:sequence>
</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	

MeetingRoomsType

```
<xs:complexType name="MeetingRoomsType">
```

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```

<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:complexType>
              </xs:element>
            </xs:sequence>
          </xs:complexType>
        </xs:element>
      </xs:sequence>
      <xs:attribute name="Code" type="xs:string" use="optional"/>
      <xs:attribute name="Description" type="Paragraph" minOccurs="0"/>
      <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 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.
--	--	--	--	--------

Paragraph

```
<xs:complexType name="Paragraph" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:choice maxOccurs="99">
    <xs:element name="Text" type="c:Text" />
    <xs:element name="Image" type="xs:string" />
    <xs:element name="URL" type="xs:anyURI" />
  </xs:choice>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Text	element	Text	required	Array of Text elements that collectively contain the rate plan description.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

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	not used	Not used in this context.
language	attribute	language	not used	Not used in this context.

TimeSpanPointsList

```
<xs:complexType name="TimeSpanPointsList">
  <xs:sequence>
    <xs:element name="Points" type="TimeSpanPoints" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Points	element	TimeSpanPoints	required	

TimeSpanPoints

```
<xs:complexType name="TimeSpanPoints">
  <xs:all>
    <xs:element name="Dates" type="TimeSpan"/>
    <xs:element name="Points" type="xs:int"/>
  </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Dates	element	TimeSpan	required	
Points	element	int	required	

TimeSpan

```
<xs:complexType name="TimeSpan">
  <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>
```

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Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	
EndDate	element	dateTime	required	
Duration	element	Duration	optional	

MemberAwardInfo

```
<xs:complexType name="MemberAwardInfo">
  <xs:all>
    <xs:element name="awardType" type="xs:string"/>
    <xs:element name="membershipID" type="xs:long"/>
    <xs:element name="pointsUsedForReservation" type="xs:double"/>
  </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
AwardType	element	string	required	
membershipID	element	long	required	
pointsUsedForReservation	element	double	required	

DailyChargeList

```
<xs:complexType name="DailyChargeList">
  <xs:sequence>
    <xs:element name="ChargesForPostingDate" type="ChargesForTheDay" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="TotalRoomRateAndPackages" type="xs:double"/>
  <xs:attribute name="TotalTaxesAndFees" type="xs:double"/>
  <xs:attribute name="TaxInclusive" type="xs:boolean"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ChargesForPostingDate	element	ChargesForTheDay	required	
TotalRoomRateAndPackages	attribute	double	required	
TotalTaxesAndFees	attribute	double	required	
TaxInclusive	attribute	boolean	required	

ChargesForTheDay

```
<xs:complexType name="ChargesForTheDay">
  <xs:sequence>
    <xs:element name="RoomRateAndPackages" type="ChargeList"/>
    <xs:element name="TaxesAndFees" type="ChargeList"/>
  </xs:sequence>
  <xs:attribute name="PostingDate" type="xs:date"/>
  <xs:attribute name="TotalCharges" type="xs:double"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RoomRateAndPackages	element	ChargeList	required	
TaxesAndFees	element	ChargeList	required	
PostingDate	attribute	date	required	
TotalCharges	attribute	double	required	

ChargeList

```
<xs:complexType name="ChargeList">
  <xs:sequence>
    <xs:element name="Charges" type="Charge" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="TotalCharges" type="xs:double" use="required"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Charges	element	Charge	required	
TotalCharges	attribute	double	required	

Charge

```
<xs:complexType name="Charge">
  <xs:all>
    <xs:element name="Description" type="xs:string"/>
    <xs:element name="Amount" type="c:Amount"/>
  </xs:all>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Description	element	string	required	
Amount	element	Amount	required	

Amount

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

Extends double

Name	Type	Data Type	Use	Comment
currencyCode	attribute	string	required	

RegionalAvailability

RegionalAvailabilityRequest

```
<?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

```
<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 <i>total</i> 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">
```

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<pre> <xs:sequence> <xs:element maxOccurs="unbounded" name="HotelReference" type="HotelReference" /> </xs:sequence> </xs:complexType> </pre>				
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.**

<pre> <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> </pre>				
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

<pre> <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> </pre>				
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

<pre> <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> </pre>				
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 minimumRate 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 availability 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 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:countryCode>UK</c:countryCode>
                <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>
          <avl:HotelReference chainCode="TI" hotelCode="LONPIC">Thistle
Piccadilly</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:countryCode>UK</c:countryCode>
                    <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				
<pre> <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> </pre>				
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				
<pre> <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> </pre>				
Extends	ResultStatus			
Name	Type	Data Type	Use	Comment

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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

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<pre><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></pre>				
Name	Type	Data Type	Use	Comment
RegionalAvailableProperty	element	RegionalAvailableProperty	required	Collection of Regional Available Property types.

RegionalAvailableProperty <pre><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></pre>				
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 <i>not</i> actually indicate that the rate is available <i>now</i> , but that it is available under certain criteria.
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.				
<pre><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></pre>				
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

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```
<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 an error occurred while attempting to retrieve availability for the subject property.
propertyStatusCode	attribute	PropertyStatusCodeType	required	Enumerated type containing values OPEN, CLOSED, UNKNOWN and OTHER.
otherPropertyStatusCode	attribute	string	optional	If OTHER is selected in previous field, <i>this</i> 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)

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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="countryCode" type="xs:string" />
    <xs:element minOccurs="0" name="postalCode" type="xs:string" />
  </xs:sequence>
  <xs:attribute name="addressType" type="xs:string" />
  <xs:attribute name="otherAddressType" type="xs:string" />
</xs:complexType>
```

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
countryCode	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">
```

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<pre> <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> </pre>				
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 role of the number provided, as in HOME, or BUSINESS.

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

HotelExtendedInformation(HotelExtendedInformationList) <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
HotelExtendedInformation	element	ExtendedHotelInfo	optional	

HotelExtendedInformation <pre> <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> </pre>				
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 <pre> <xs:complexType name="AmenityInfo" xmlns:xs="http://www.w3.org/2001/XMLSchema"> </pre>				
--	--	--	--	--

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<pre> <xs:complexType> <xs:sequence> <xs:element name="AmenityInfo" type="AmenityInfo" maxOccurs="unbounded"/> </xs:sequence> </xs:complexType> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
AmenityInfo	element	AmenityInfo	optional	

AmenityInfo <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
Amenities	element	none	optional	
Amenity	element	Amenity	required	

Amenities <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
Amenity	element	Amenity	required	

Amenity <pre> <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"/> <xs:enumeration value="ConferenceRoom"/> <xs:enumeration value="BusinessCentre"/> <xs:enumeration value="Pets"/> <xs:enumeration value="RoomService"/> <xs:enumeration value="Restaurant"/> <xs:enumeration value="SwimmingPool"/> <xs:enumeration value="Internet"/> </xs:restriction> </xs:simpleType> </xs:attribute> <xs:attribute name="otherType" type="xs:string" use="optional"/> </pre>				
---	--	--	--	--

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

amenityCode <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
amenityCode	attribute	string	required	

amenityType <pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
amenityType	attribute	string	optional	

otherType <pre> <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> </pre>				
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:sequence>
</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:complexType>
          </xs:element>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

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```

    <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="dateRenovated" 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	
dateRenovated	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:sequence>
</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="0"/>
  </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: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>
```

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.

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

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<pre> <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> </pre>				
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.

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SmallestRoomSpace	attribute	xs:nonNegativeInteger	optional	The amount of room 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 (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:sequence>
</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.

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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	

PaymentstAccepted

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

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<pre> <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:complexType> </pre>				
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	

PaymentVoucher				
<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
PaymentVoucher	element	Voucher	optional	

OtherPayment				
<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
OtherPayment	element	OtherPaymentType	optional	

Deposit (Amount)				
<pre> <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> </pre>				
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				
<pre> <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> </pre>				
Name	Type	Data Type	Use	Comment
voucherNumber	attribute	string	optional	
voucherIssuedBy	attribute	string	optional	
voucherValidDate	attribute	DateTime	optional	

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

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<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	

FetchAvailablePackages

FetchAvailablePackagesRequest

```

<?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="125227" timeStamp="2006-03-07T11:59:46.5000000+01:00"
      xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="WEB"/>
      <Destination entityID="OWS" systemType="ORS"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchAvailablePackagesRequest
      xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <HotelReference chainCode="000" hotelCode="TEMPLATE"/>
      <StayDateRange>
        <StartDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
07T11:59:46.5000000+01:00</StartDate>
        <EndDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-03-
08T00:00:00.0000000+01:00</EndDate>
      </StayDateRange>
      <NumberOfAdults>1</NumberOfAdults>
    </FetchAvailablePackagesRequest>
  </soap:Body>
</soap:Envelope>

```


FetchAvailablePackagesRequest

```
<xs:element name="FetchAvailablePackagesRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="HotelReference" type="hc:HotelReference"/>
      <xs:element name="ConfirmationNumber" type="c:UniqueID" minOccurs="0"/>
      <xs:element name="LegNumber" type="c:UniqueID" minOccurs="0"/>
      <xs:element name="StayDateRange" type="hc:TimeSpan"/>
      <xs:element name="NumberOfRooms" type="xs:int" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">The number of rooms requested. If this parameter is not included, a
          default value of one will be used.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="NumberOfAdults" type="xs:int" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">The total number of guests accross all rooms. The occupancy rate will
          be determined by dividing this number by the number or rooms requested.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="NumberOfChildren" type="xs:int" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
HotelReference	element	HotelReference	required	Used to provide the specific chain and resort code for which availability is to be queried.
ConfirmationNumber	element	UniqueID	optional	Unique ID representation of the confirmation ID to seek.
LegNumber	element	UniqueID	optional	Unique ID representation of the confirmation ID for a sublevel booking to seek.
StayDateRange	element	TimeSpan	required	Indicates date bounds for query.
NumberOfRooms	element	int	optional	The number of rooms available at the moment of transaction.
NumberOfAdults	element	int	optional	The number of adults
NumberOfChildren	element	int	optional	The number of children

HotelReference

```
<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	The channel converted chain code of the property for which availability is to be queried.
hotelCode	attribute	string	required	The channel converted hotel / resort code of the property for which availability is to be queried.

ConfirmationNumber (UniqueID) Root set to id value.				
<pre><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></pre>				
Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	Required	In this instance, should be hard coded to enumerated value INTERNAL. The function requires the use of the internal Opera ID.
source	attribute	string	not used	Not used in this context.

LegNumber (UniqueID) Root set to id value.				
<pre><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></pre>				
Name	Type	Data Type	Use	Comment
type	attribute	UniqueIDType	Required	In this instance, should be hard coded to enumerated value INTERNAL. The function requires the use of the internal Opera ID.
source	attribute	string	not used	Not used in this context.

FetchAvailablePackagesResponse

```
<?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="125227" timeStamp="2006-03-07T11:59:46.5000000+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS"/>
      <Destination entityID="OWS" systemType="WEB"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchAvailablePackagesResponse
xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <Result resultStatusFlag="SUCCESS"/>
      <PackageElements>
        <Package packageCode="BRK"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
          <Amount currencyCode="EUR">5</Amount>
          <Description>
            <Text xmlns="http://webservices.micros.com/og/4.3/Common/">
              <Text>BREAKFAST</Text>
            </Text>
          </Description>
        </Package>
      </PackageElements>
    </FetchAvailablePackagesResponse>
  </soap:Body>
</soap:Envelope>
```

```

        </Description>
      </Package>
      <Package packageCode="FINLAND"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
        <Amount currencyCode="EUR">10</Amount>
        <Description>
          <Text xmlns="http://webservices.micros.com/og/4.3/Common/">
            <Text>WEEKEND</Text>
          </Text>
        </Description>
      </Package>
      <Package packageCode="INFO_1"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
        <Amount currencyCode="EUR">0</Amount>
      </Package>
      <Package packageCode="INFO_2"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
        <Amount currencyCode="EUR">0</Amount>
      </Package>
      <Package packageCode="ROLLAWAY"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
        <Amount currencyCode="EUR">0.01</Amount>
        <Description>
          <Text xmlns="http://webservices.micros.com/og/4.3/Common/">
            <Text>ROLLAWAY/EXTRA BED</Text>
          </Text>
        </Description>
      </Package>
      <Package packageCode="TNS"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
        <Amount currencyCode="EUR">15</Amount>
      </Package>
    </PackageElements>
  </FetchAvailablePackagesResponse>
</soap:Body>
</soap:Envelope>

```

FetchAvailablePackagesResponse

```

<xs:element name="FetchAvailablePackagesResponse">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="Result" type="hc:GDSResultStatus"/>
      <xs:element name="PackageElements" type="hc:PackageElementList" minOccurs="0"/>
    </xs:sequence>
  </xs:complexType>
</xs:element>

```

Name	Type	Data Type	Use	Comment
Result	element	GDSResultStatus	required	Primary indication of success of failure of transaction.
PackageElements	element	PackageElementList	optional	If the query returns availability, that data will be contained in a list of packages contained in this element (list).

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	Used only in the event of an error. Used to convey the GDS error segment, code and message for an error during the transaction.

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	none	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).

TextElement

```
<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	Not used in this context.
language	attribute	language	optional	Not used in this context.

PackageElementList

```
<xs:complexType name="PackageElementList">
  <xs:sequence>
    <xs:element name="Package" type="PackageElement" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
</xs:complexType>
```

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</xs:sequence> </xs:complexType>				
Name	Type	Data Type	Use	Comment
Package	element	PackageElement	required	

PackageElement				
<xs:complexType name="PackageElement" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:sequence> <xs:element name="Amount" type="c:Amount"/> <xs:element name="Description" type="c:DescriptiveText" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="packageCode" type="xs:string" use="required"/> <xs:attribute name="calculationRule" type="xs:string" use="optional"/> <xs:attribute name="postingRhythm" type="xs:string" use="optional"/> </xs:complexType>				
Name	Type	Data Type	Use	Comment
Amount	element	Amount	required	
Description	element	DescriptiveText	optional	
packageCode	attribute	string	required	
calculationRule	attribute	string	optional	
postingRhythm	attribute	string	optional	

Amount				
<xs:complexType name="Amount" 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.

DescriptiveText				
<xs:complexType name="DescriptiveText" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:choice maxOccurs="99"> <xs:element name="Text" type="c:Text" /> <xs:element name="Image" type="xs:string" /> <xs:element name="URL" type="xs:anyURI" /> </xs:choice> </xs:complexType>				
Name	Type	Data Type	Use	Comment
Text	element	Text	required	Text list object containing package info.
Image	element	string	not used	Not used in this context.
URL	element	anyURI	not used	Not used in this context.

Text				
<xs:complexType name="Text"> <xs:simpleContent> <xs:extension base="xs:normalizedString"> <xs:attribute name="formatted" type="xs:boolean" use="optional"/> <xs:attribute name="language" type="xs:language" use="optional"/> </xs:extension> </xs:simpleContent> </xs:complexType>				
Name	Type	Data Type	Use	Comment
formatted	attribute	boolean	optional	
language	attribute	language	optional	

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FetchCalendar

FetchCalendarRequest

```
<?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="93201" timeStamp="2006-03-15T20:24:30.7968750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="WEB"/>
      <Destination entityID="OWS" systemType="ORS"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchCalendarRequest xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <HotelReference chainCode="000" hotelCode="TEMPLATE"/>
      <StayDateRange>
        <StartDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-04-
01T00:00:00.0000000+02:00</StartDate>
        <EndDate xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">2006-04-
05T00:00:00.0000000+02:00</EndDate>
      </StayDateRange>
      <GuestCount>
        <GuestCount count="1"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
      </GuestCount>
      <RatePlanCode>RACK</RatePlanCode>
      <RoomTypeCode>A1K</RoomTypeCode>
    </FetchCalendarRequest>
  </soap:Body>
</soap:Envelope>
```

FetchCalendarRequest

```
<xs:element name="FetchCalendarRequest">
  <xs:complexType>
    <xs:sequence>
      <xs:element name="HotelReference" type="hc:HotelReference"/>
      <xs:element name="StayDateRange" type="hc:TimeSpan"/>
      <xs:element name="GuestCount" type="hc:GuestCountList" minOccurs="0"/>
      <xs:element name="RatePlanCode" type="xs:string" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">If given, the service should return data for the given rate code alone.</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="RoomTypeCode" type="xs:string" minOccurs="0"/>
      <xs:element name="BlockCode" type="xs:string" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">If given, the service should return rates and room type inventory for the block (NOT from HOUSE).</xs:documentation>
        </xs:annotation>
      </xs:element>
      <xs:element name="PromotionCode" type="xs:string" minOccurs="0">
        <xs:annotation>
          <xs:documentation xml:lang="en">If given, the service should return all the rate codes that are associated with the promotion group.</xs:documentation>
        </xs:annotation>
      </xs:element>
    </xs:sequence>
  </xs:complexType>
</xs:element>
```

Name	Type	Data Type	Use	Comment
HotelReference	element	HotelReference	required	Used to provide the specific chain and resort code for which availability is to be queried.
StayDateRange	element	TimeSpan	required	Indicates date bounds for query.
GuestCounts	element	GuestCountList	optional	Specifying the number of guests with type of adults, children
RatePlanCode	element	string	required	The channel converted rate code for subject rate room pair.
RoomTypeCode	element	string	required	The number of rooms available at the moment of transaction.
BlockCode	element	int	optional	Invetories block code. If given, the service should return rates and room type inventory for the block (NOT from HOUSE).
PromotionCode	element	int	optional	Promotional code. If given, the service should return all the rate codes that are associated with the promotion group.

HotelReference

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

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<pre> <xs:attribute name="chainCode" type="xs:string" use="optional" /> <xs:attribute name="hotelCode" type="xs:string" use="required" /> </xs:extension> </xs:simpleContent> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
chainCode	attribute	string	optional	The channel converted chain code of the property for which availability is to be queried.
hotelCode	attribute	string	required	The channel converted hotel / resort code of the property for which availability is to be queried.

TimeSpan <pre> <xs:complexType name="TimeSpan" xmlns:xs="http://www.w3.org/2001/XMLSchema"> <xs:annotation> <xs:documentation xml:lang="en">Measure of time from a StartDate to either specified EndDate or StartDate plus Duration.</xs:documentation> </xs:annotation> <xs:sequence> <xs:element name="StartDate" type="xs:dateTime" /> <xs:choice> <xs:annotation> <xs:documentation xml:lang="en">Allows for a choice in description of the amount of time spanned by this type. EndDate specifies a specific date, while Duration provides a measure of time to add to the StartDate to yield end date.</xs:documentation> </xs:annotation> <xs:element name="EndDate" type="xs:dateTime" /> <xs:element name="Duration" type="xs:duration" /> </xs:choice> </xs:sequence> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
StartDate	element	dateTime	required	The start date of the date range for which availability is to be queried.
EndDate	element	dateTime	required / choice	The end (departure) date of the date range for which availability is to be queried.
Duration	element	duration	not used / choice	Reserved for future use.

GuestCountList <pre> <xs:complexType name="GuestCountList"> <xs:sequence> <xs:element name="GuestCount" type="GuestCount" maxOccurs="unbounded"/> </xs:sequence> <xs:attribute name="isPerRoom" type="xs:boolean"/> </xs:complexType> </pre>				
Name	Type	Data Type	Use	Comment
GuestCount	element	GuestCount	required	Collection of GuestCount elements. If parent element is not present, a value of one adult and no children will be assumed. If parent element is present, at least one properly formed GuestCount element is required.
isPerRoom	attribute	boolean	optional	For purposes of this interface, this value should be assumed to have a value of or populated as "true".

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GuestCount

```
<xs:complexType name="GuestCount" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:attribute name="ageQualifyingCode" type="AgeQualifyingCode" />
  <xs:attribute name="otherAgeQualifyingCode" type="xs:string" />
  <xs:attribute name="age" type="xs:int" />
  <xs:attribute name="count" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
ageQualifyingCode	attribute	AgeQualifyingCode	optional	Enumerated value specifying the age(s) of guests.
otherAgeQualifyingCode	attribute	string	optional	If previous attribute value is set to 'OTHER', then this field becomes operationally required.
age	attribute	int	reserved	Reserved for future use.
count	attribute	int	optional	The number of guests in this age bracket or a this age.

AgeQualifyingCode

```
<xs:simpleType name="AgeQualifyingCode">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ADULT"/>
    <xs:enumeration value="CHILD"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>
```

FetchCalendarResponse

```
<?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="93201" timeStamp="2006-03-15T20:24:30.7968750+01:00"
xmlns="http://webservices.micros.com/og/4.3/Core/">
      <Origin entityID="OWS" systemType="ORS"/>
      <Destination entityID="OWS" systemType="WEB"/>
    </OGHeader>
  </soap:Header>
  <soap:Body>
    <FetchCalendarResponse
xmlns="http://webservices.micros.com/ows/5.1/Availability.wsdl">
      <Result resultStatusFlag="SUCCESS"/>
      <Calendar>
        <CalendarDay Date="2006-04-01"
xmlns="http://webservices.micros.com/og/4.3/Availability/">
          <Occupancy>
            <RoomTypeInventory roomTypeCode="A1K" totalRooms="10"
overBookingLimit="0" soldDeductible="0" soldNonDeductible="0"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/">
              </Occupancy>
            </CalendarDay>
            <CalendarDay Date="2006-04-02"
xmlns="http://webservices.micros.com/og/4.3/Availability/">
```

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```

        <Occupancy>
          <RoomTypeInventory roomTypeCode="A1K" totalRooms="10"
overBookingLimit="0" soldDeductible="1" soldNonDeductible="0"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/" />
        </Occupancy>
      </CalendarDay>
    <CalendarDay Date="2006-04-03"
xmlns="http://webservices.micros.com/og/4.3/Availability/">
      <Occupancy>
        <RoomTypeInventory roomTypeCode="A1K" totalRooms="10"
overBookingLimit="0" soldDeductible="0" soldNonDeductible="0"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/" />
      </Occupancy>
    </CalendarDay>
    <CalendarDay Date="2006-04-04"
xmlns="http://webservices.micros.com/og/4.3/Availability/">
      <Occupancy>
        <RoomTypeInventory roomTypeCode="A1K" totalRooms="10"
overBookingLimit="0" soldDeductible="2" soldNonDeductible="0"
xmlns="http://webservices.micros.com/og/4.3/HotelCommon/" />
      </Occupancy>
    </CalendarDay>
  </Calendar>
</FetchCalendarResponse>
</soap:Body>
</soap:Envelope>

```

FetchCalendarResponse				
<pre> <xs:element name="FetchCalendarResponse"> <xs:complexType> <xs:sequence> <xs:element name="Result" type="hc:GDSResultStatus"/> <xs:element name="Calendar" type="a:Calendar"/> </xs:sequence> </xs:complexType> </xs:element> </pre>				
Name	Type	Data Type	Use	Comment
Result	element	GDSResultStatus	required	Primary indication of success of failure of transaction.
Calendar	element	Calendar	optional	If the query returns availability, that data will be contained in a list of calendar days contained in this element (list).

GDSResultStatus	
<pre> <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> </pre>	
Extends	ResultStatus

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Name	Type	Data Type	Use	Comment
GDSError	element	GDSError	optional	Used only in the event of an error. Used to convey the GDS error segment, code and message for an error during the transaction.

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	none	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).

TextElement

```
<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	Not used in this context.
language	attribute	language	optional	Not used in this context.

Calendar

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

Name	Type	Data Type	Use	Comment
CalendarDay	element	CalendarDailyDetail	required	Represents an element of calendar day

CalendarDailyDetail

```
<xs:complexType name="CalendarDailyDetail">
  <xs:sequence>
    <xs:element name="Rates" type="tns:CalendarRate" minOccurs="0"/>
    <xs:element name="Occupancy" type="hc:RoomTypeInventoryList"/>
  </xs:sequence>
  <xs:attribute name="Date" type="xs:date"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Rates	element	CalendarRate	optional	A list of calendar day rates
Occupancy	element	RoomTypeInventoryList	required	A list of room type inventory details
Date	attribute	date	required	Short formatted calendar date

CalendarRate

```
<xs:complexType name="CalendarRate">
  <xs:sequence>
    <xs:element name="RestrictionList" minOccurs="0">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Restriction" type="hc:Restriction" minOccurs="0" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
    <xs:element name="RateList">
      <xs:complexType>
        <xs:sequence>
          <xs:element name="Rate" type="hc:RoomRate" maxOccurs="unbounded"/>
        </xs:sequence>
      </xs:complexType>
    </xs:element>
  </xs:sequence>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RestrictionList	complex	Restriction	optional	Represents a list of Restriction elements of a calendar rate
RateList	complex	RoomRate	optional	Represents a list of RoomRate elements of a calendar rate

RoomRate

```
<xs:complexType name="RoomRate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Rates" type="RateList" />
    <xs:element minOccurs="0" name="InvBlockDescription" type="Paragraph" />
    <xs:element minOccurs="0" name="Total" type="c:Amount" />
  </xs:sequence>
  <xs:attribute name="roomTypeCode" type="xs:string" use="required" />
  <xs:attribute name="ratePlanCode" type="xs:string" use="required" />
  <xs:attribute name="effectiveDate" type="xs:date" />
  <xs:attribute name="expirationDate" type="xs:date" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Rates	element	RateList	optional	An array of Rate objects. In the case of General Availability, only one rate element will be present. In the case of Detail Availability response, there may be more than one.
InvBlockDescription	element	Paragraph	future	Reserved for future use.
Total	element	Amount	optional	Total element containing the anticipated total amount of the stay.

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roomTypeCode	attribute	string	required	The channel converted room type for subject rate room pair.
ratePlanCode	attribute	string	required	The channel converted rate code for subject rate room pair.
effectiveDate	attribute	date	not used	Not used in this context.
expirationDate	attribute	date	not used	Not used in this context.

RateList

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

Name	Type	Data Type	Use	Comment
Rate	element	Rate	required	If parent element exists, at least one Rate element must be present.

Rate

```
<xs:complexType name="Rate" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element name="Base" type="c:Amount" />
    <xs:element minOccurs="0" name="AdditionalGuestAmounts" type="AdditionalGuestAmountList" />
    <xs:element minOccurs="0" name="AdditionalBedAmounts" type="AdditionalBedAmountList" />
  </xs:sequence>
  <xs:attribute name="effectiveDate" type="xs:date" />
  <xs:attribute name="expirationDate" type="xs:date" />
  <xs:attribute name="rateOccurrence" type="RateOccurrenceType" />
  <xs:attribute name="otherRateOccurrence" type="xs:string" />
  <xs:attribute name="rateChangeIndicator" type="xs:boolean" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Base	element	Amount	required	The anticipated daily or base rate for the stay.
AdditionalGuestAmounts	element	AdditionalGuestAmountList	optional	Not used in general availability response. In detail availability response will be populated if additional guest amounts are attached to rate.
AdditionalBedAmounts	element	AdditionalBedAmountList	optional	Not used in general availability response. In detail availability response will be populated if additional bed amounts are attached to rate.
effectiveDate	attribute	date	optional	Not used in general availability response. In detail availability, if there are rate amount changes throughout the length of stay, these dates become operationally required.
expirationDate	attribute	date	optional	
rateOccurrence	attribute	RateOccurrenceType	optional	For this interface instance will always be set to "Daily".
otherRateOccurrence	attribute	string	not used	Not used in this context.
rateChangeIndicator	attribute	boolean	optional	If there is a change in rate amount at any point

				throughout the duration of the stay, this flag must be set.
--	--	--	--	---

Amount

```
<xs:complexType name="Amount" 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	ISO Currency code of base amount.

AdditionalGuestAmountList

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

Name	Type	Data Type	Use	Comment
AdditionalGuestAmount	element	AdditionalGuestAmount	required	List of AdditionalGuest-Amount elements.

AdditionalGuestAmount

```
<xs:complexType name="AdditionalGuestAmount" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Amount" type="c:Amount" />
  </xs:sequence>
  <xs:attribute name="additionalGuestType" type="AgeQualifyingCode" use="required" />
  <xs:attribute name="otherAdditionalGuestType" type="xs:string" />
  <xs:attribute name="quantity" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Amount	element	Amount	optional	The chargeable amount per extra guest of this type.
additionalGuestType	attribute	AgeQualifyingCode	required	Enumerated age qualifying code.
otherAdditionalGuestType	attribute	string	none	If 'OTHER' is selected as value for previous attribute, then this field become operationally required.
quantity	attribute	int	not used	Not used in this context.

Amount

```
<xs:complexType name="Amount" 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.

AgeQualifyingCode

```
<xs:simpleType name="AgeQualifyingCode">
```

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```
<xs:restriction base="xs:string">
  <xs:enumeration value="ADULT"/>
  <xs:enumeration value="CHILD"/>
  <xs:enumeration value="OTHER"/>
</xs:restriction>
</xs:simpleType>
```

AdditionalBedAmountList

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

Name	Type	Data Type	Use	Comment
AdditionalBedAmount	element	AdditionalBedAmount	required	List of AdditionalBed-Amount elements.

AdditionalBedAmount

```
<xs:complexType name="AdditionalBedAmount" xmlns:xs="http://www.w3.org/2001/XMLSchema">
  <xs:sequence>
    <xs:element minOccurs="0" name="Amount" type="c:Amount" />
  </xs:sequence>
  <xs:attribute name="extraBedType" type="AdditionalBedType" use="required" />
  <xs:attribute name="otherExtraBedType" type="xs:string" />
  <xs:attribute name="quantity" type="xs:int" />
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
Amount	element	Amount	optional	The chargeable amount per extra bed of this type.
extraBedType	attribute	AdditionalBedType	required	Enumerated additional bed type value.
otherExtraBedType	attribute	string	none	If 'OTHER' is selected as value for previous attribute, then this field become operationally required.
quantity	attribute	int	none	Not used in this context.

Amount

```
<xs:complexType name="Amount" 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.

AdditionalBedType

```
<xs:simpleType name="AdditionalBedType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="ADULT"/>
    <xs:enumeration value="CHILD"/>
    <xs:enumeration value="CRIB"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>
```

RateOccurrenceType

```
<xs:simpleType name="RateOccurrenceType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="DAILY"/>
    <xs:enumeration value="WEEKLY"/>
    <xs:enumeration value="OTHER"/>
  </xs:restriction>
</xs:simpleType>
```

RoomTypeInventoryList

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

Name	Type	Data Type	Use	Comment
RoomTypeInventory	element	RoomTypeInventory	required	Represents an element of room inventory detail

RoomTypeInventory

```
<xs:complexType name="RoomTypeInventory">
  <xs:sequence>
    <xs:element name="RoomTypeRestriction" type="Restriction" minOccurs="0" maxOccurs="unbounded"/>
  </xs:sequence>
  <xs:attribute name="roomTypeCode" type="xs:string"/>
  <xs:attribute name="totalRooms" type="xs:integer"/>
  <xs:attribute name="overBookingLimit" type="xs:integer"/>
  <xs:attribute name="soldDeductible" type="xs:integer"/>
  <xs:attribute name="soldNonDeductible" type="xs:integer"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
RoomTypeRestriction	element	Restriction	optional	Represents a list of restriction details
roomTypeCode	attribute	string	required	
totalRooms	attribute	integer	required	
overBookingLimit	attribute	integer	required	
soldDeductible	attribute	integer	required	
soldNonDeductible	attribute	integer	required	

Restriction

```
<xs:complexType name="Restriction">
  <xs:attribute name="restrictionType" type="RestrictionType" use="required"/>
  <xs:attribute name="numberOfDays" type="xs:integer" use="optional"/>
  <xs:attribute name="roomType" type="xs:string" use="optional"/>
  <xs:attribute name="rateCode" type="xs:string" use="optional"/>
</xs:complexType>
```

Name	Type	Data Type	Use	Comment
restrictionType	attribute	RestrictionType	required	Represents a restriction type element
numberOfDays	attribute	integer	required	
roomType	attribute	string	required	
rateCode	attribute	string	required	

RestrictionType


```
<xs:simpleType name="RestrictionType">
  <xs:restriction base="xs:string">
    <xs:enumeration value="OPEN"/>
    <xs:enumeration value="CLOSED"/>
    <xs:enumeration value="OPEN_FOR_ARRIVAL"/>
    <xs:enumeration value="CLOSED_FOR_ARRIVAL"/>
    <xs:enumeration value="OPEN_FOR_DEPARTURE"/>
    <xs:enumeration value="CLOSED_FOR_DEPARTURE"/>
    <xs:enumeration value="MINIMUM_STAY_THROUGH"/>
    <xs:enumeration value="MAXIMUM_STAY_THROUGH"/>
    <xs:enumeration value="MINIMUM_LENGTH_OF_STAY"/>
    <xs:enumeration value="MAXIMUM_LENGTH_OF_STAY"/>
    <xs:enumeration value="MINIMUM_ADVANCE_BOOKING"/>
    <xs:enumeration value="MAXIMUM_ADVANCE_BOOKING"/>
    <xs:enumeration value="LENGTH_OF_STAY_NOT_AVAILABLE"/>
  </xs:restriction>
</xs:simpleType>
```

Name	Type	Data Type	Use	Comment
RestrictionType	enumeration	string	required	