



***QuickStart Demand  
Implementation Guide***

***DRAFT***

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***QuickStart Demand - Implementation Guide – DRAFT***

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## Document Revision History

Date	Version	Description	Author
15 Aug 2015	1.0	Document created	M Berge

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# Introduction

## Document Overview

This document is intended to provide the QuickStart Client *and their named developers an overview of the QuickStart features and functionality together with full instructions and a series of complete XML Request and Response examples*

The reader will notice that responses to the same XML request message may vary based on the functionality of each CRS. An example of this is the structure of the Availability response, which although schematically correct, may differ slightly for some hotel chains.

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**Note:** *The documents primary aim is to provide example transactions, and also demonstrate certain differences in responses between one hotel chain and another. It is by no means an exhaustive list of fields that can be returned by each CRS, as this may vary based on the rate, room, type of rate, booking conditions etc. The developer is asked to consult and code based on the published UltraDirect Schemas.*

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## Property Download Site

The Property Download Site (PDS) is accessed via a Portal and allows access to the list of properties that are available in the DHISCO Content in production. DHISCO will provide instructions on how to access this site as soon as all is prepared on our side:

- **An Up-to-Date list of QuickStart available brands will be provided as part of the implementation.**
- The “Agreed Download HCD prop List.zip” is updated on the PDS site on a daily basis and can be used to identify properties that have recently updated their data (UPDATE\_DATE)
- Agreed Download Brand List.zip is for the hotel brand code detail

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# Accessing DHISCO QuickStart

## System Access

The UAT (User Acceptance Test environment) URL where messages will be posted to during the development and certification phase is:

[http://ud-uatprod.dhisco.com:5454/apps/TransactionInterfaceV1\\_1/DispatcherServlet](http://ud-uatprod.dhisco.com:5454/apps/TransactionInterfaceV1_1/DispatcherServlet)

The Production URL will be provided by the DHISCO project team once all initial testing and certification is completed. DHISCO uses your IP addresses as a way of allowing/denying traffic into our environment. The first validation is done at the web server, where a set of Access Control Lists must contain your IP(s) in order to allow you into our boxes. If your IP(s) do not exist, you will receive an error to the effect of:

**"Server Error"**

**IP:**

The next validation is based on matching your IP(s) to the specific code (Source Code) that was assigned to each customer. This code uniquely identifies ExMarketPlace traffic and is passed in the Source attribute of the Route element.

**Your Unique QuickStart Source Code (SGA) will be provided at the time of Implementation**

For example, an example customer may have a Source code of "XX" and an IP of 123.123.123.123. There are potentially two ways to be denied:

1. If the example customer passes a code in the Source attribute other than "XX".
2. If the example customer generates the message from an IP that is not listed.

If you execute one of the two examples just listed, you will receive the following error:

```
<HotelML xmlns="com/xpegs/v2001Q3/HotelML">  
<Head xmlns="com/xpegs/v2001Q3/HotelML">  
  <Error xmlns="com/xpegs/v2001Q3/HotelML" Code="SYS87" Type="Security" Description="Message Originator Unauthorized"/>  
</Head>  
</HotelML>
```

## Mandatory QuickStart XML Transactions

The following QuickStart XML requests are mandatory for the Quick Start client to develop and use:

**One to Many Shop (Availability)**

**Rate Rules**

**Booking**

**Cancellation**

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## One to Many Shop (Availability)

This request is used to request actual available rates and rooms at multiple hotels (**Note - up to a max of 200 properties in one request**). All hotel CRSs support this transaction.

## One to Many Request:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Head>
    <Process DataPath="/HotelML/Form/MultiAvailability" Function="TI_MultiAvailabilityV1_1" Token="1285940187599"/>
    <Route Destination="00" Source="XX" />
  </Head>
  <Form>
    <MultiAvailability>
      <Property Code="TP;043241"/>
      <Property Code="MC:LONCH"/>
      <RateCriteria VersionCompliance="Enhanced_V1" NumberOfRooms="1" ReturnRateChanges="true">
        <GuestCount Type="Adult" Count="2"/>
        <GuestCount Type="Child" Count="1"/>
        <AgentInfo Number="12345678" Type="TIDS"/>
        <DateRange InDate="2015-06-20" OutDate="2015-06-21"/>
      </RateCriteria>
    </MultiAvailability>
  </Form>
</HotelML>
```

### NOTE

- QuickStart Client to provide own TIDS/IATA NUMBER.
- QuickStart Client to insert assigned Source Code (SGA) of XX here
- Property IDs are obtained from the property listings from the PDS site and are inserted into requests with brand code and property ID separated by a semi-colon. MC:LONCH – Brand code "MC", property ID "LONCH"

## One to Many Response:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Route Destination="XX" Source="00">
      <Operation Action="Create" App="UltraDirect-ud_instance_1" AppVer="V1_1" DataPath="/HotelML" StartTime="2015-04-17T10:11:41.635+00:00" Success="true" TotalProcessTime="15"/>
    </Route>
  </Head>
  <Property xml:lang="en" AvailabilityStatus="Open" DataAge="2015-04-16T09:47:23.720+00:00" DataOrigin="Cache" Code="MC:LONCH" Token="1285940187599">
    <Rate>
      <RatePlan Code="D00" CommissionableStatus="Commissionable" Description="Advance Purchase rate, prepay in full, see Rate Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
        <RoomType BookableRate="347.00" Code="APN" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Deluxe Room, 1 King or 2 Double, 30sqm/323sqft- 45sqm/484sqft, Wireless Internet for a fee, Wir ed Internet for a fee, Coffee/tea maker, 32in/8" StandardRoomType="GENR" TotalRate="694.00" TotalRateInclusive="347.00">
          <DepositPolicy Required="true"/>
          <CancelPolicy IntervalUnits="Days" TimeInterval="1" IntervalOffsetType="AfterBooking" PenaltyAmountTaxIndicator="Unknown" PenaltyAmountFeeIndicator="Unknown"/>
        </RoomType>
      </RatePlan>
      <RatePlan Code="A00" CommissionableStatus="Commissionable" Description="Best Available rate" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
        <RoomType BookableRate="365.00" Code="REG" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Deluxe Room, 1 King or 2 Double, 30sqm/323sqft- 45sqm/484sqft, Wireless Internet for a fee, Wir ed Internet for a fee, Coffee/tea maker, 32in/8" StandardRoomType="GENR" TotalRate="730.00" TotalRateInclusive="365.00">
          <GuaranteePolicy Required="true"/>
          <CancelPolicy Time="16:00:00.000" PenaltyAmount="730.00" PenaltyAmountTaxIndicator="Exclusive" PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
        </RoomType>
      </RatePlan>
      <RatePlan Code="D00" CommissionableStatus="Commissionable" Description="Leisure Rate - Be Your Weekend Self, see Rate Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
        <RoomType BookableRate="395.00" Code="UKE" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Deluxe Room, 1 King or 2 Double, 30sqm/323sqft- 45sqm/484sqft, Wireless Internet for a fee, Wir ed Internet for a fee, Coffee/tea maker, 32in/8" StandardRoomType="GENR" TotalRate="790.00" TotalRateInclusive="395.00">
          <GuaranteePolicy Required="true"/>
          <CancelPolicy Time="16:00:00.000" PenaltyAmount="790.00" PenaltyAmountTaxIndicator="Exclusive" PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
        </RoomType>
      </RatePlan>
    </Rate>
  </Property>
</HotelML>
```

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```

</RatePlan>
<RatePlan Code="B00" CommissionableStatus="Commissionable" Description="Best Available rate" InDate="2015-06-20"
MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <RoomType BookableRate="405.00" Code="REG" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="River view,
River Thames View Room, 1 King or 2 Double, 30sqm/323sqft-45sqm/484sqft, Wireless Internet for a fee, Wired Internet for a fee, C"
StandardRoomType="SRPM" TotalRate="810.00" TotalRateInclusive="405.00">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="810.00" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="L00" CommissionableStatus="Commissionable" Description="Advance Purchase rate, prepay in full, see Rate
Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <RoomType BookableRate="427.00" Code="APN" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Big Ben
View Room, 1 King or 2 Double, 30sqm/32 3sqft-45sqm/484sqft, Wireless Internet for a fe e, Wired Internet for a fee, Coffee/tea maker, "
StandardRoomType="BBEV" TotalRate="854.00" TotalRateInclusive="427.00">
    <DepositPolicy Required="true"/>
    <CancelPolicy IntervalUnits="Days" TimeInterval="1" IntervalOffsetType="AfterBooking"
PenaltyAmountTaxIndicator="Unknown" PenaltyAmountFeeIndicator="Unknown"/>
  </RoomType>
</RatePlan>
<RatePlan Code="E00" CommissionableStatus="Commissionable" Description="Leisure Rate - Be Your Weekend Self, see Rate
Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <RoomType BookableRate="435.00" Code="UKE" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="River view,
River Thames View Room, 1 King or 2 Double, 30sqm/323sqft-45sqm/484sqft, Wireless Internet for a fee, Wired Internet for a fee, C"
StandardRoomType="SRPM" TotalRate="870.00" TotalRateInclusive="435.00">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="870.00" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="H00" CommissionableStatus="Commissionable" Description="Best Available rate" InDate="2015-06-20"
MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <RoomType BookableRate="445.00" Code="REG" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Big Ben
View Room, 1 King or 2 Double, 30sqm/32 3sqft-45sqm/484sqft, Wireless Internet for a fe e, Wired Internet for a fee, Coffee/tea maker, "
StandardRoomType="BBEV" TotalRate="890.00" TotalRateInclusive="445.00">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="890.00" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="I00" CommissionableStatus="Commissionable" Description="Leisure Rate - Be Your Weekend Self, see Rate
Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <RoomType BookableRate="475.00" Code="UKE" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Big Ben
View Room, 1 King or 2 Double, 30sqm/32 3sqft-45sqm/484sqft, Wireless Internet for a fe e, Wired Internet for a fee, Coffee/tea maker, "
StandardRoomType="BBEV" TotalRate="950.00" TotalRateInclusive="475.00">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="950.00" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="A00" CommissionableStatus="Commissionable" Description="AAA rate, AAA membership card required"
InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <CorpInfo Code="AAA"/>
  <RoomType BookableRate="356.40" Code="AAA" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="River view,
River Thames View Room, 1 King or 2 Double, 30sqm/323sqft-45sqm/484sqft, Wireless Internet for a fee, Wired Internet for a fee, C"
StandardRoomType="SRPM" TotalRate="712.80" TotalRateInclusive="356.40">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="712.80" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="C00" CommissionableStatus="Commissionable" Description="AAA rate, AAA membership card required"
InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <CorpInfo Code="AAA"/>
  <RoomType BookableRate="378.25" Code="AAA" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Big Ben
View Room, 1 King or 2 Double, 30sqm/32 3sqft-45sqm/484sqft, Wireless Internet for a fe e, Wired Internet for a fee, Coffee/tea maker, "
StandardRoomType="BBEV" TotalRate="756.50" TotalRateInclusive="378.25">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="756.50" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
<RatePlan Code="H00" CommissionableStatus="Commissionable" Description="Marriott Senior Discount, 62 years and older valid ID
required" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <CorpInfo Code="S9R"/>
  <RoomType BookableRate="378.25" Code="XMI" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="Big Ben
View Room, 1 King or 2 Double, 30sqm/32 3sqft-45sqm/484sqft, Wireless Internet for a fe e, Wired Internet for a fee, Coffee/tea maker, "
StandardRoomType="BBEV" TotalRate="756.50" TotalRateInclusive="378.25">

```

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```

    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="756.50" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
</Rate>
<RatePlan Code="A00" CommissionableStatus="Commissionable" Description="Experience! Capital Views Package, breakfast, see
Rate Rules" InDate="2015-06-20" MarketingText1="All rates are quoted inclusive of VAT." OutDate="2015-06-21">
  <CorpInfo Code="ES2"/>
  <RoomType BookableRate="470.00" Code="XEA" NativeCurrency="GBP" RateFrequency="Daily" RoomDescription="River view,
River Thames View Room, 1 King or 2 Double, 30sqm/323sqft-45sqm/484sqft, Wireless Internet for a fee, Wired Internet for a fee, C"
StandardRoomType="SRPM" TotalRate="940.00" TotalRateInclusive="470.00">
    <GuaranteePolicy Required="true"/>
    <CancelPolicy Time="16:00:00.000" PenaltyAmount="940.00" PenaltyAmountTaxIndicator="Exclusive"
PenaltyAmountFeeIndicator="Unknown" PenaltyNights="1" PercentageQualifier="Nights"/>
  </RoomType>
</RatePlan>
</Rate>
</Property>
<Property xml:lang="en" AvailabilityStatus="Open" DataAge="2015-04-16T09:47:23.842+00:00" DataOrigin="Cache" Code="TP;043241"
Token="1285940187599">
  <Rate>
    <RatePlan Code="A0B" CommissionableStatus="NonCommissionable" Description="Non Refundable Rate Excludes Breakfast / No
Cancellation Allowed" InDate="2015-06-20" Indicator="BusinessStandard" MarketingText1="TOP Hotels - Your choice for Europe" OutDate="2015-
06-21">
      <RoomType BookableRate="82.65" Code="A07" NativeCurrency="USD" RateFrequency="Daily" RoomDescription="Apartment
Double or Twin/ 38sqm/ Mini Bar/ Cable-TV/ Safe/ Full Kitchnette/ Private Bath/ Bath Tub/ Hair Dryer For Up To 4" TotalRate="82.65"
TotalRateInclusive="82.65">
        <DepositPolicy Required="true"/>
        <CancelPolicy Description="No cancel allowed."/>
        <Amenity Code="MP" ExtraCharge="true" OnRequest="true" Room="true"/>
        <Amenity Code="SMOKE" Confirmable="true" Room="true"/>
      </RoomType>
    </RatePlan>
  </Rate>
</Property>
</HotelIML>

```

**NOTE:**

- Marriott have returned TotalRateInclusive values which include taxes and service charges and possibly penalty information too.
- Public rates have been returned for all hotels – note that some are deposit rates - <DepositPolicy Required="true"/>
- Meal Plan Information may be returned in Hotel Chain room responses (not all chains will return this information)

```

<RoomType BookableRate="498.00" Code="IPRG" NativeCurrency="EUR" RateFrequency="Daily" RoomDescription="PRIVILEGE ROOM-1 DBL
OR 2 TWIN BEDS CITY" TotalRateInclusive="498.00">
  <CancelPolicy IntervalUnits="Hours" TimeInterval="72"/>
  <Amenity xml:lang="en" Code="BRKFST" Confirmable="true" Property="true" Room="true"/>
</RoomType>

```

Key to meal plans returns:

- <Amenity Code="BRKFST" Confirmable="true" Room="true"/> **Breakfast included in rate**
- <Amenity Code="BRKFST" Confirmable="true" ExtraCharge="true" Room="true"/> **Breakfast not included, extra cost**
- <Amenity Code="BRKFST" OnRequest="true" Room="true"/> **On Request and complimentary**
- <Amenity Code="BRKFST" ExtraCharge="true" OnRequest="true"/> **On Request with cost**
- <Amenity Code="BRKFST" Room="true"/> **With such a response we would suggest you check with the hotel chain for clarification of exactly what is on offer**

Possible code returns on meal plans:

Amenity Code	Amenity Description
EP	Meal Plan - European
BRKFST	Breakfast
BRKBUF	Breakfast Buffet
MAP	Meal Plan - MAP/Half-board
FAP	Meal Plan - FAP/Full-board

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## Rate Rules

This request is used to ascertain the exact rules associated with a unique rate and room combination. All hotel CRS support this transaction.

### Rate rules request:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Process DataPath="/HotelML/Form/PropertyInformation" Function="TI_PropertyInformationV1_1" Token="1311082860417"/>
    <Route Destination="00" Source="XX"/>
  </Head>
  <Form>
    <PropertyInformation PropertyCode="HY;998">
      <PropertyRate NumberOfAdults="1" NumberOfChildren="1" NumberOfRooms="1">
        <AgentInfo Number="12345678" Type="TIDS"/>
        <RatePlan Code="RACK" InDate="2013-10-10" OutDate="2013-10-11">
          <RoomType Code="KNG"/>
        </RatePlan>
      </PropertyRate>
    </PropertyInformation>
  </Form>
</HotelML>
```

#### NOTE:

- There is a maximum of 1 PropertyInformation element that can be requested in each request.
- NumberOfAdults and NumberOfChildren attributes are placed in this position in the rate rules and all other requests apart from the One to Many transaction
- No requested accuracy needed for all requests after One to Many
- Rate Rule requests must only be sent once the user has selected a specific Rate/Room combination in order to provide more detailed information on the rate

### Rate Rules response:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Route Destination="XX" Source="00">
      <Operation Action="Create" App="TIDispatcher" AppVer="1.12.40.2.8.1.20.4.2.7.12.1.12.2.2.1.8.1.2.11" DataPath="/HotelML"
      StartTime="2013-02-18T15:05:42.934+00:00" Success="true" TotalProcessTime="3029"/>
    </Route>
  </Head>
  <Property xml:lang="en" Code="HY;998" Token="1311082860417">
    <Rate>
      <RatePlan Code="RACK" CommissionableStatus="Commissionable" Description="HYATT DAILY RATE Regularly published room
      rates." InDate="2013-10-10" MarketingText1="WELCOME TO HYATT" OutDate="2013-10-11" TaxInformation="TAX: 15.000 PERCENT">
        <RoomType BookableRate="499.00" Code="KNG" NativeCurrency="USD" RateFrequency="Daily" RoomDescription="1 KING
        BED 1 King pillow-top Grand bed:iHome Stereo 350 sq ft:Dataport" TotalRate="499.00" TotalRateInclusive="575.15" TaxQualifier="NonInclusive">
          <CommissionPolicy Description="10.000 PERCENT COMMISSION"/>
          <GuaranteePolicy Description="CREDIT CARD GUARANTEE REQUIRED"/>
          <CancelPolicy Description="CANCEL BY 3PM CST 24 HOURS PRIOR TO ARRIVAL"/>
          <TaxDetail Amount="2.00" Application="PerRoomPerNight" Basis="Independent" EffectiveStartDate="2013-10-10"
          EffectiveEndDate="2013-10-11" Order="1" Type="Miscellaneous" Unit="Percent" Inclusive="no"/>
          <TaxDetail Amount="13.00" Application="PerRoomPerNight" Basis="Compound" EffectiveStartDate="2013-10-10"
          EffectiveEndDate="2013-10-11" Order="2" Type="StateTax" Unit="Percent" Inclusive="no"/>
        </RoomType>
      </RatePlan>
    </Rate>
  </Property>
</HotelML>
```

#### NOTE:

- The CommissionPolicy and many other fields are not in machine readable format but will need to be displayed for all public rates.

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## BookReservation

This request is used to request that a definitive booking be made for one particular rate and room combination. Please note that multiple rooms are allowed as long as:

1. The number of rooms is the same throughout the booking process (availability/rate rules request)
2. They are of the same Rate and RoomType. For example multiple Rack Double Rooms.

### Booking request:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Process DataPath="/HotelML/Form/BookReservation" Function="TI_BookReservationV1_1" Token="1259151426733"/>
    <Route Destination="00" Source="XX"/>
  </Head>
  <Form>
    <BookReservation CurrencyCode="EUR" GuaranteeMethod="CreditCard" GuaranteeType="Guarantee" InDate="2011-12-10"
    OutDate="2011-12-12" PropertyCode="XX;04988" RatePlanCode="LV7" RatePlanType="BusinessStandard" RoomRate="2950.00"
    RoomTypeCode="A03">
      <AgentInfo Number="12345678" Type="TIDS"/>
      <CreditCard ExpirationDate="2015-12" IssuedName="DHISCO Test" Number="4321432143214327" TypeIdentifier="VI"/>
      <Guest FirstName="DHISCO" LastName="Test" NumberOfAdults="1" NumberOfRooms="1" Primary="true" Remarks="This is a test
      booking" ServiceRequest="This is a test booking">
        <Email Address="test@dhisco.com"/>
        <Phone Number="0203948890"/>
        <PostalAddress City="London" CountryCode="GB" Line1="2 Kew Bridge Rd" PostalCode="TW8 0JF" StateCode="UZ"/>
      </Guest>
    </BookReservation>
  </Form>
</HotelML>
```

#### NOTE:

- This example uses the `GuaranteeType="Guarantee"` and the `GuaranteeMethod="CreditCard"`. `GuaranteeType="Deposit"` is used for deposit rates.
- The Remarks and ServiceRequest fields contain the same information as some CRSs will look at one field or the other. There is a limitation of 186 characters on these fields.

### Booking response:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Route Destination="XX" Source="00">
      <Operation Action="Create" App="TIDispatcher" AppVer="1.12.40.2.8.1" DataPath="/HotelML" StartTime="2009-11-
      25T12:17:06.741+00:00" Success="true" TotalProcessTime="1150"/>
    </Route>
  </Head>
  <Reservation BookedRate="2950.00" ConfirmationNumber="3365389728" CurrencyCode="EUR" HotelComments="THANK YOU FOR
  CHOOSING XX." HotelRoomType="A03LV7" InDate="2011-12-10" NumberOfPersons="1" OutDate="2011-12-12" PropertyCode="XX;04988"
  RateGuaranteed="true" RatePlanCode="LV7" RoomTypeCode="A03" Token="1259151426733">
    <CancelPolicy Description="4PM CXL ON ARR DATE"/>
    <GuaranteePolicy Description="CREDIT CARD GUARANTEE"/>
    <Guest FirstName="DHISCO" LastName="Test" NumberOfAdults="1" NumberOfRooms="1" Primary="true" Remarks="This is a test
    booking" ServiceRequest="This is a test booking">
      <Email Address="test@dhisco.com"/>
      <Phone Number="0203948890"/>
      <PostalAddress City="London" CountryCode="GB" Line1="2 Kew Bridge Rd" PostalCode="TW8 0JF" StateCode="-Select-"/>
    </Guest>
  </Reservation>
</HotelML>
```

#### NOTE:

- `ConfirmationNumber="3365389728"` is returned if the booking request has been successful.

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## Cancellation

This request is used to request cancellation of a confirmed booking and this is supported by all chains.

### Cancel request:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Process DataPath="/HotelML/Form/CancelReservation" Function="TI_CancelReservationV1_1" Token="1259157162622"/>
    <Route Destination="00" Source="XX"/>
  </Head>
  <Form>
    <CancelReservation ConfirmationNumber="3365389728" InDate="2013-12-10" OutDate="2013-12-12" PropertyCode="XX;04988">
      <Guest FirstName="DHISCO" LastName="Test"/>
    </CancelReservation>
  </Form>
</HotelML>
```

### Cancel response:

```
<HotelML xmlns="http://www.xpegs.com/v2001Q3/HotelML">
  <Head>
    <Route Destination="XX" Source="00">
      <Operation Action="Create" App="TIDispatcher" AppVer="1.12.40.2.8.1" DataPath="/HotelML" StartTime="2009-11-25T13:52:42.718+00:00" Success="true" TotalProcessTime="512"/>
    </Route>
  </Head>
  <Reservation CancellationNumber="1809822537" ConfirmationNumber="3365389728" HotelComments="RESERVATION CANCELED-XXWELCOMES FUTURE BUSINESS" InDate="2013-10" OutDate="2013-12-12" PropertyCode="HL;04988" Token="1259157162622">
    <Guest FirstName="DHISCO" LastName="Test"/>
  </Reservation>
</HotelML>
```

#### NOTE:

- A successful Cancel response will contain a `CancellationNumber="1809822537"`

## Booking Storage and Retrieval

QuickStart does not store nor provide a transactional method to retrieve booking transactions from the Hotel systems.

Therefore, one of the requirements for this project is for the QuickStart Client to store all booking information on their local servers. It is also suggested that raw XML transactions are logged and stored as part of the customers booking.

The minimum information needed to to Cancel and/or resolve Customer Service queries is: Guest Details, In Date and Out Date and Confirmation Number. It is also advisable to store all policy related information, for example Cancel Details, Guarantee Policy etc.

## List of test Credit Cards

Mastercard – CA	Amex – AX	Visa - VI	Dinners Club-DC
5212 3456 7890 1234	3700 0000 0000 028	4321 4321 4321 4327	3886 5562 1802 00
5366 6777 8889 9906	3706 6666 0000 662	4929 0012 3456 7897	
5419 0017 8710 6154	3707 7777 0000 771	4001 2222 0000 2229	
5419 8433 3177 7778	3782 0000 0000 000	4321 4321 4321 4327	

## Additional test properties

### IHG and Hilton test properties in the UAT environment.

HI;PENMY	HL;16369
HI;LONHW	HL;05630
CP;NOVMI	HH;15247
	HH;04735

### Accor test properties in the UAT environment.

XN;0753	PU;6544
XN;1874	XM;6829
XN;6687	XM;7831
	XI;6543

### Test properties for other chains in the UAT environment.

HY;9901	HY;982	SI;020	KI;HYKDXBKE
HY;98119	HY;97072	SI;085	KI;HYKMUCK1
HY;33316	HY;89397	SI;090	HL;16369
HY;923	HY;86205	SI;105	

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