

CultSwitch 3.4.0

Excerpt for PMS

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Preface

CultSwitch, the most advanced software product from Cultuzz, is a web service, to automate business data administration inside hotel guides, reservation systems, on-line indexes and print media. This document is written to explain all its features in a lucid way.

Intended Audience :

This document is written for Technical and Techno-Functional professionals working with PMS/CRS systems, Distributors (Channels) and Channel Management systems.

What is this document about?

This document describes how to integrate CultSwitch with both
(a) PMS (Property Management System) / CRS (Central Reservation System).
(b) Distributors (Channels).



a) PMS / CRS :

- How to push Hotel master data like Name, Language, Home Currency, Bank Data, Descriptions, Amenities, Images, Address, Contact Information.
- How to push Availabilities and Prices into CultSwitch.
- How to retrieve the Bookings from CultSwitch.
- Certification Process and Types of Certification.
- "Integrated Channel Management", the most modern concept in channel management, Channel Manager is completely invisible and the entire channel management can be done by the accommodation provider on the user interface of the PMS.
- CultSwitch supports channel level modules i.e. Channel Management Data which provides the Hotel, the possibility to treat a particular channel differently from other channels.

b) Distributors :

- How to get Master data of connected Hotels.
- How to get the connected Hotels of a particular Channel.
- How to get the Available Products of connected Hotels.
- How to get the Rates, Availabilities, Booking conditions and Policies etc.
- How to push the reservations while a Booking is performed by a Guest.

What it contains?

- This document contains all the details and capabilities of CultSwitch.
- XML Templates for sending and receiving Availabilities, Prices and Bookings.
- Flow diagrams for XMLs for better understanding.
- Hyper-links to XMLs.
- Related Spreadsheets.

How to use it?

- To get information on any particular subject, you may choose to use "Table of Contents" provided at the beginning of the document.
- To get information on a particular topic, you may choose to use "Index" provided at the end of the document.
- Glossary : Every attribute which is used in XMLs is described in this section.



Versions :

In Version History, the capabilities of CultSwitch in various versions are described. This helps users to know what is present in newer versions of CultSwitch. Latest version of CultSwitch is always backward compatible.

Related Documents :

- OTA standard XSDs - 2006A are used for the API XML Specification.
- OTA-2006A-CodeTable.xls is used for OTA Codes.

Conventions :

Convention	Meaning	Example
Blue color text	Blue color text denotes a hyperlink to a specified attribute/ XML.	ProfileCreate message defines an operation that either generates a new record for a new Accommodation / Distributor with a unique identifier.
Italic with Courier (Font family)	Courier font indicates description of the XML elements.	<!-- The MaxLOS and MinLOS, indicates the Maximum and Minimum length of stay required for the identified room. -->.

Table 1: Conventions

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1 Overview

1.1 CultSwitch Process Flow

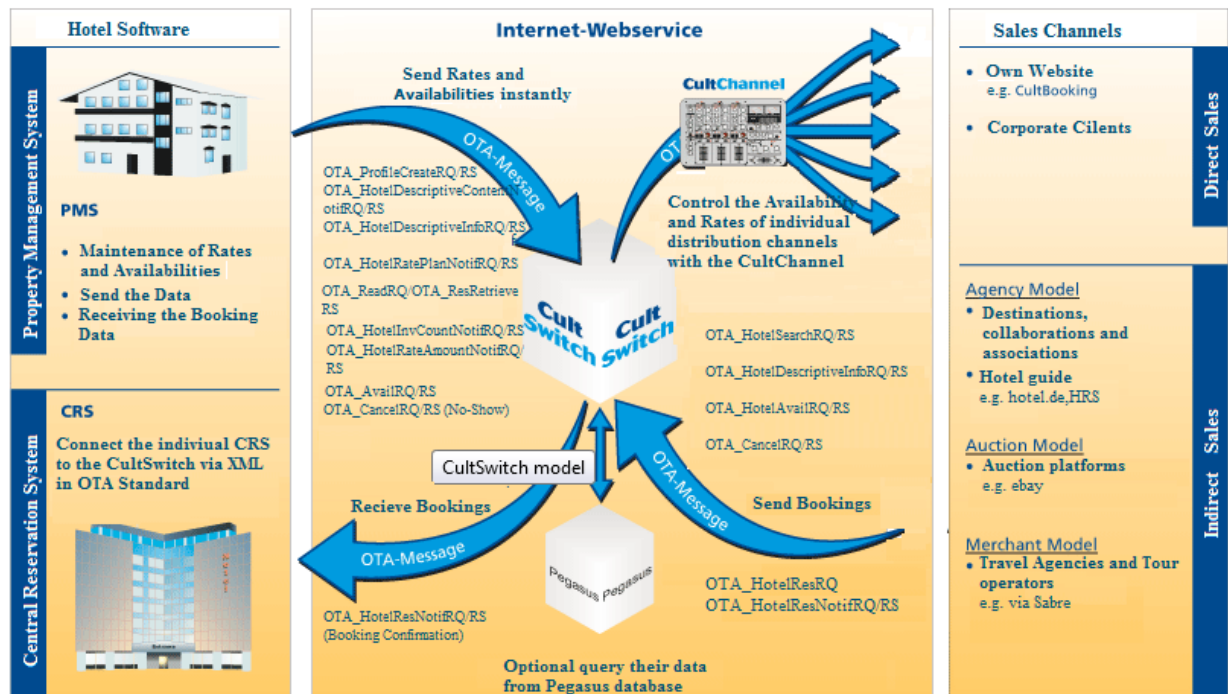


Figure 1: CultSwitch Process

1.2 Targeted Users

Name	Description	Messages
PMS & CRS	Property Management System & CRS	PMS is a computerized system that facilitates the management of property and inventory and typically use the "push" model. They usually push the accommodation static information like descriptions, properties, amenities etc., and accommodation dynamic information like the inventory availability and prices. CRS on the other hand is a Central Reservation System and is often identified as a PMS in CultSwitch. OTA_ProfileCreateRQ/RS OTA_HotelDescriptiveContentNotifRQ/RS OTA_HotelDescriptiveInfoRQ/RS OTA_HotelRatePlanNotifRQ/RS OTA_ReadRQ/OTA_ResRetrieveRS OTA_HotelInvCountNotifRQ/RS OTA_HotelRateAmountNotifRQ/RS OTA_HotelAvailRQ/RS OTA_CancelRQ/RS OTA_HotelResNotifRQ/RS (Booking Confirmation)

1.3 Contact Details

If you have any queries, please contact us at partner-management@cultuzz.com. If you have any suggestions or improvement ideas, you are whole heartedly welcome.

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1.4 Revision History

Version	Message	Description
CultSwitch-3.4.0	Add new HTTPS url	Added new endpoint url with HTTPS (in Section 4.1).
	Add new market codes	Added new market codes (in Section 7.5).
CultSwitch-3.3.9	OTA_HotelRatePlanNotifRQ	New attribute "ExistsCode" is added in "Address" Element (in Section 5.3.3).
	OTA_ReadRQ/OTA_ResRetrieve	CultSwitch is now providing "Credit Card information" in Encrypted format when PMS asks the request with ReqRespVersion "3.41" and above (in Section 5.4.2).
		Now CultSwitch provides Add-ons in separate elements when PMS asks request with ReqRespVersion "3.42" (in Section 5.4.2).
CultSwitch-3.3.8	OTA_HotelDescriptiveContentNotifRQ	New element "AddressLine" is added in "Address" Element (in Section 5.1.1).
	OTA_HotelDescriptiveInfoRQRS	New element "AddressLine" is displayed in "Address" Element (in Section 5.2.2).
	OTA_ReadRQ/OTA_ResRetrieve	CultSwitch provides the list of reservations for different type of BookingNumbers (channelBookingID, cltzBookingID) also (in Section 5.4.1).
		New Search criterion is added (in Section 5.4.1).
CultSwitch-3.3.7	OTA_HotelDescriptiveContentNotifRQ	CultSwitch allows Decimal values up-to two digits in 'Distance' attribute of "RefPoints" element (in section 5.1.1).
	OTA_HotelDescriptiveInfoRS	CultSwitch will provide the Decimal values up-to two digits in 'Distance' attribute of "RefPoints" element, if the Hotel specified the Distance in decimal points (in section 5.2.2).
	CultSwitch Spreadsheets	Added new Relationship Codes (REL) (in section 7.6).
CultSwitch-3.3.6	OTA_ResRetrieveRS	To avail the reservation Guarantee Type information, PMS needs to certify for new version and should send OTA_ReadRQ request with mandatory attribute "ReqRespVersion" with version "3.40" (in section 5.4.2). If reservations are being notified to PMS by Cultuzz, to avail this feature, PMS needs to contact us.
	OTA_HotelRatePlanNotifRQ/RS	PMS can utilize Lowest Possible Price feature. If a Lowest Possible Price is set for the Hotel, PMS will not be able to update Prices lower than the Lowest Possible Price already set (in section 5.7).
CultSwitch-3.3.5	OTA_CancelRS	CultSwitch provides extra information with the "Cancellation Policies" in <TPA_Extension> element that indicates whether the policy was applied or Met. If the Channel enables "isReuestForListinglist" feature then Cultswitch sends the list of Cancellation Policies along with Success response in <TPA_Extension> element (in section 5.9.2).
	OTA_ResRetrieveRS	New XML fragment <ResGuest> is added to represents the guest information for the whole booking apart from Room Level Guest information (in section 5.4.2).
		Booking reply ("3.40") is exclusively used to send modified booking details with modified status(type="16") (ModifiedTo) and newly generated booking details with booking status(type="14") along with modified booking details (in section 5.4.2).
	OTA_HotelDescriptiveContentNotifRQ	A new feature AutoReplenishment is added (in section 5.2.1).
	OTA_HotelRatePlanNotifRQ	Provides the newly added attributes "InvBlockCode" and "RoomCategory" in "Room" XML element (in section 5.3.3).
CultSwitch-3.3.4	OTA_ReadRQ/OTA_ResRetrieve	Provides the Channel ID and Distributor ID to the PMS in the attribute "MarketCode" (in section 5.4.2).
	CultSwitch Spreadsheets	Provides the newly added Market Code and also description about Market Code in the table Market Codes for Source of Business (in section 7.5).
CultSwitch-3.3.3	OTA_ReadRQ/OTA_ResRetrieve	Added an example for Multiple products Reservation in the Rspnse XML (in section 5.4.2).

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Version	Message	Description
CultSwitch-3.3.2	OTA_HotelDescriptiveContentNotifRQ	Possible to set the Guaranteed Allotment Status (Active/Deactive) of a specific channel.
	OTA_HotelDescriptiveInfoRS	Provides the Guaranteed Allotment Status of a specific channel.
	OTA_ReadRQ	Requesting Booking details based on Multiple Search Criteria.
		Requesting Cancellation details based on specific date.
CultSwitch-3.3.1	OTA_ResRetrieveRS	Provides the Product IDs and Room IDs in ascending order.
	OTA_HotelDescriptiveContentNotifRQ	BookingService can be online/offline for a specific period/unlimited period.
		Scheduling Channel Connection Status - Channel connection can be Activate/DeActivate for a specific period/unlimited period.
	OTA_ReadRQ	Requesting booking details based on Past/Current/Future bookings.
		Requesting booking details of all Cancelled Bookings.
		Requesting bookings and cancellations details by other search criteria like Arrival Date, Stay Date, Stay Period, Booking Date, Bookings date range and Booking ID.
	OTA_HotelSearchRQ	Search accommodations by Software ID for PMS.
	OTA_HotelDescriptiveContentNotifRQ	Possible to set hotelier expectations by the accommodation providers.
CultSwitch-3.3.0	OTA_HotelDescriptiveInfoRS	Lists the capabilities of each channel.
		Provides hotelier expectations.
		Provides channel level products.
	OTA_ReadRQ	Requesting bookings and cancellations details by other search criteria like by Guest Name, Distributor ID and ProductElement ID.
		Providing booking extra information like booking sent time to PMS etc.
CultSwitch-3.2.1	OTA_HotelDescriptiveContentNotifRQ	Accepts accommodation level AvailabilitySplitting conditions for different distributors.
		Accepts "LegalRepresentative" value.
		Providing uniqueness for each and every description.
	OTA_HotelDescriptiveContentNotifRQ	Accepts "IBAN" value through bank information.
		Accepts information regarding accommodation commercial registration via EcommerceInfo .
		Accepts Accommodation - Channel mapping and demapping for both Push and Pull channels.
	OTA_HotelDescriptiveInfoRS	Pushes accommodation level AvailabilitySplitting conditions for different distributors.
		Pushes "LegalRepresentative" value.
		Pushes "IBAN" value through bank information.
		Pushes information regarding accommodation commercial registration via EcommerceInfo .
		Sends Accommodation - Channel mapping and demapping for both Push and Pull channels.
		Provides distributor specific products.
		Provides only mapped distributor products information.
		Getting corporate products along with other products.
	OTA_HotelRatePlanNotifRQ	Added process for Selling NonRoomProductElements alone.
	OTA_HotelRateAmountNotifRQ	Accepts weekdays validity for MinLOS/MaxLOS.
		Weekdays validity for all three Pricing Groups.
		Inserting price for future dates without availability and validity.
		Accepts StayPolicy , StaySupplementApply , 'Short Stay Surcharge and Long Stay Discount'.
		Accepts Availability Blocking for weekdays.

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Version	Message	Description
CultSwitch-3.2.1	OTA_ResRetrieveRS	Providing partner productID to PMS.
		Providing "NoShow" bookings to PMS.
		Expanded RoomLevelGuestCounts on per roomId basis.
		Listing PMS and PMS Software listing.
CultSwitch-3.2.0	OTA_HotelInvCountNotifRQ	Added weekdays for inventory.
	OTA_HotelDescriptiveInfoRS	Pushes StaySupplements , pictures/images (ProductPicture) and address (ProductAddress) exclusive for product.
		Accepts HotelDescriptiveInfo notification to subscribers whenever any product element is created/updated/deleted.
	OTA_HotelRatePlanNotifRQ	Accepts StaySupplements , pictures/images (ProductPicture) and address (ProductAddress) exclusive for product.
		Accepts and processes the PricePerOccupancy (PP) on day level.
	OTA_HotelRateAmountNotifRQ	Accepts and processes arrival days, departure days and WeekDaySupplements on day level basis.
		Accepts Cancel Policies and No-Show Policies on day level basis.
		Follows 2010B OTA-Specification.
		Accepts ChildDiscounts (CD) same as rates and base price for child as ChildBasePrice .
		Accepts basic price calculation logic on the guest count as BasePriceCalculationLogic .

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1.5 Glossary

Sl.No.	Name	Description
1	AccommodationID/ObjectID/	A unique identifier assigned by CultSwitch system to an accommodation for future reference purpose.
2	Add-ons	Add-ons are like additional amenities/facilities (half-board, flowers, wine, spa, etc.) ordered along with a room as part of booking at the time of reservations.
3	AgentDutyCode	An authority code assigned to a requestor, similar to password.
4	AgentSine	Identifies the party within the requesting entity, similar to username.
5	AutoReplenishment	Channel receives an update without increment in Availability for those Objects whose feature is in Deactivate mode at the time when Booking marked as a Cancellation and sends Confirmation email to Hotelier and Vice-versa. By default AutoReplenishment is in Active state.
6	Channel Management(room logic)	In Cultuzz Channel Management we provide the possibility that a particular channel is treated differently from other channels.
7	CSI	Customer Service Interface. A web interface provided by Cultuzz for hoteliers and distributors to manage their hotel(s).
8	CultBooking	A free booking engine offered and hosted by Cultuzz® (popularly known as CultBooking Centralized Version: http://www.cultuzz.com/cultbooking-centralized-version?Itemid=0) for each hotel that is registered with CultSwitch. CultBooking is also available for free download as an OpenSource (popularly known as CultBooking OpenSource Version: http://www.cultuzz.com/cultbooking-open-source?Itemid=0) which could be downloaded, customized and hosted on the hotel's own website.
9	CultuzzHotelCode	A unique identifier assigned by CultSwitch system to a hotel for future reference purpose.
10	GuaranteeCode	This code specifies the GuaranteeType provided under "Supported Guarantee Types".
11	GuaranteeType	This specifies the type of guarantee declared against to GuaranteeCode under "Supported Guarantee Types" like None, GuaranteeRequired (email verification) and CC/DC/Voucher (credit card).
12	Guaranteed Allotment	Guaranteed Allotment allows a hotelier to guarantee a fixed availability for a particular channel. Once the contract is signed between the hotelier and the channel manager, the channel manager can expect a guaranteed availability of a fixed amount for the specified period as mentioned in the contract. A guaranteed allotment must be accompanied with a Release Time explained further below with an example.
13	Integarted Channel Management	which means that the Channel Manager is completely invisible and the entire channel management can be done by the accommodation provider on the user interface of the PMS.
14	InvCode	Code that identifies an inventory item. These are assigned by the target system during the creation process of this inventory item.
15	LongStayDiscountAndShortStaySurcharge	For a period of long stay, the hotel can offer a discount in the form of percent or amount for that stay period. These discounts may or may not differ from room to room for the same hotel. For a period of short stay, the hotel can apply a surcharge in the form of percent or amount for that stay period. These surcharge may or may not differ from room to room for the same hotel.
16	MarketCode	CultSwitch allocate an Unique ID to each market place is termed as MarketCode.
17	MaxLOS	Defines the maximum length of stay starting from the arrival day. A booking is not possible, if it requests for a stay period of more than the given number of days in MaxLOS value.
18	MaxOccupancy	The maximum allowed number of persons that could occupy the given entity (room/product). Beyond this limit, extra person is not allowed even on extra payment. MaxOccupancy value must be greater than or equal to StandardOccupancy if defined. For example, if a 3 bedroom's StandardOccupancy is 3, there could be defined a maxoccupancy of 5 for which 2 persons will be charged extra. However, 6th person is not allowed to share this room. It is very important to read section Occupancy under glossary to understand how CultSwitch deals with occupancy before proceeding further.



Sl.No.	Name	Description
19	MinLOS	Defines the minimum length of stay starting from the arrival day. A booking is not possible, if it requests for a stay period of less than the given number of days in MinLOS value.
20	Object-Channel Mapping	Mapping an object to channel by providing a basic information regarding the connection.
21	OTA	Open Travel Alliance a community where companies in the electronic distribution supply chain work together to create an accepted structure for electronic messages, enabling suppliers and distributors to speak the same interoperability language, trading partner to trading partner. http://www.opentravel.org
22	OTA-CodeTable	A list of codes categorized as groups, identified by OTA and published along with its specifications. A sample can be found at http://www.opentravel.org/2007B/OTA_CodeTable.xsd
23	Occupancy	Due to the way the OTA specifications are defined, there is no straightforward way to consider all three occupancies: StandardOccupancy, MinOccupancy and MaxOccupancy. For this reason, declaring occupancy is defined in two ways: 1) If only MaxOccupancy is specified with <GuestRoom>-MaxOccupancy and standard occupancy is not defined, then the MaxOccupancy is considered as both standard occupancy and maximum occupancy. In which case, the attribute 'Max-Occupancy' value must be the same as defined in the appendix under section: Additional Detail Codes for the selected Room Type. 2) If both MaxOccupancy and StandardOccupancy are defined, <TypeRoom>-StandardOccupancy value must be the same as defined in the appendix under section: Additional Detail Codes for the selected Room Type, and <GuestRoom>-MaxOccupancy value can be anything greater than equal to standard occupancy.
		If MinOccupancy is defined: <TypeRoom Name="MinOccupancy" Count="X"/>, the value must be less than or equals to StandardOccupancy. However if MinOccupancy is not defined, then the default value of "1" is taken as minimum occupancy.
24	PMS	Property Management System. A system that allows to maintain the whole static and dynamic information of, typically a Hotel.
25	POS	Point of Sale. POS provides a mechanism to indicate the source of the message, often used for authentication purposes within CultSwitch.
26	PaymentPolicies	PaymentPolicies are used to specify the payment mode for a particular room or a product. Each PaymentPolicy should have specific period with a defined price along with a gurantee type.
27	Product-Channel Mapping	Accomadation Provider can map a product to a channel using the below re-quest. If ICM is enabled for this requestor, then CultSwitch system checks the CCM and HEM and then allows or disallows the product to be mapped to that channel.
28	RatePlanID	An ID assigned to a particular product within CultSwitch for reference(also referred to as ProductID).
29	TPA_Extensions	Temporary extension points. As often, most of the time, the OTA specifications for each message do not fulfill all our requirements, OTA has provided the extension points within the XML schema for extended our own required XML structure which are referred to as TPA_Extension.

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2 PMS Certification

For [PMS](#) software, it is mandatory to get Cultuzz PMS Certification, for a successful communication with CultSwitch. For each PMS software company, we create a test [accommodation](#) upon request. Using the test accommodation provided, PMS software needs to communicate with CultSwitch using the messages listed in the below table. Once the communication is successful, as per the below table, the PMS is certified for the respective certification.

Certification	Essential Messages
PMS Certification 2009	
	OTA_HotelInvCountNotifRQ (Availability per RoomType per day)
	OTA_HotelRateAmountNotifRQ (Price per RoomType per day)
	HotelReadRQ (To get the bookings from the last request to till now)
	GlobalReservationReadRequest (To get the bookings for specific period)
<i>*OTA_ReadRQ must precede within 3 minutes of initiating OTA_HotelInvCountNotifRQ</i>	
<i>*OTA_HotelInvCountNotifRQ, OTA_HotelRateAmountNotifRQ are allowed once a minute</i>	
PMS Certification 2011	
	OTA_HotelRateAmountNotifRQ along with capabilities to send
	send a per RoomType per day
	MinLOS per RoomType per day
	MaxLOS per RoomType per day
PMS Certification 2012	
	OTA_HotelRateAmountNotifRQ along with capabilities to send
	send a per RoomType per day
	ArrivalDays per RoomType per day
	DepartureDays per RoomType per day
	AvailableDays per RoomType per day
PMS Certification 2013	
	OTA_HotelRatePlanNotifRQ along with capabilities to handle
	Product Logic
	Object-Channel Mapping
	Product-Channel Mapping
	Channel Management(room logic)



2.1 Types of Certification

PMS (Property Management System) is a software application, that facilitates processing the requests between the accommodation and the channel manager. A PMS can be authenticated by certifying it. Once PMS is certified, it is allowed to be used by the accommodation.

The certification department will register a PMS with [agent sine](#) and [agent duty code](#) credentials, and provides a test accommodation account connected to this login. After a successful certification, these credentials will be unlocked for any accommodation to use this new interface.

The four levels of certifying a PMS are Basic, Premium, Standard and Integrated. Among them Basic, Premium and Standard are room based certifications, while Integrated certification is product based certification.

***Basic** type, certifies a PMS dealing with availabilities and bookings (incl. reservations, cancellations, modifications).

***Standard** type, certifies a PMS dealing with availabilities, rates and bookings.

***Premium** type, certifies a PMS dealing with availability, rates, bookings, [MinLOS](#) and [MaxLOS](#).

***Integrated** type, certifies a PMS that provides [Integrated Channel Management](#), which combines products with channels on PMS user interface. In this case, Cultuzz is no longer visible and will be working behind the scenes only.

The above certifications can be extended to Plus (+) certifications, such as **Basic +**, **Standard +**, **Premium +**, **Integrated +**, provided the PMS is capable of the Channel management via its interface. Channel management, is the possibility that a particular channel is treated differently from other channels by the Hotelier. For example, the hotelier may want to treat a particular channel in a different manner, by splitting availability based on the channel, varying price based on the channel, guaranteeing allotment based on the channel, etc.

Feature	Basic	Standard	Premium	ICM
Ping	✓	✓	✓	✓
Set Availabilities	✓	✓	✓	✓
Get Bookings	✓	✓	✓	✓
Get Cancellation	✓	✓	✓	✓
Get Modification	✓	✓	✓	✓
No Show	✓	✓	✓	✓
Set Rates		✓	✓	✓
Set MaxLOS			✓	✓
Set MinLOS			✓	✓
Set Arrival days			✓	✓
Set Departure days			✓	✓
Set Available days			✓	✓
Object-Channel Mapping				✓
Product Logic				✓
Product-Channel Mapping				✓
Channel Management(room logic)				✓

Table 2: Certification Types of PMS

2.2 Certification Scenario

Certification process mainly deals with bookings, availability and rates in the form of XML requests and responses of OTA_HotelInvCountNotifRQ/RS, OTA_HotelRateAmountNotifRQ/RS, OTA_ReadRQ/OTA_ResRetrieve. The scenarios need to fulfill the following:

1. Test accommodation
2. Pilot accommodation

Using the test [accommodation](#) provided, PMS software needs to communicate with CultSwitch. Once the communication is successful as per the below scenario, the PMS is certified for the respective certification.

The scenario is as follows:



1. Ping

The OTA_PingRQ message may be used for testing application connectivity.

2. Set Availability

2.1. Sending of actual availability.

2.1.1. OTA_ReadRQ has to come within 3 minutes before sending any availability with OTA_HotelInvCountNotifRQ. This ensures the PMS to be updated about incoming bookings in the meantime before sending availability. Otherwise CultSwitch gives back an error.

2.1.2. Period Logic: In reference to the availability request and also for the availability update, the end date is always excluded.

Example: To set availability of "5" for a Double Room for 12th Jan 2012, PMS has to request for Double Room for a period of 12th Jan 2012 to 13th Jan 2012 where 13th Jan 2012 is excluded. In this case, only the availability of 12th Jan 2012 will be updated with "5".

2.1.3. Initial Request: Set availability for each room type for the period of selling in the future, atleast beginning today to till next 12 months.

Before an accommodation activates the CultSwitch online booking service it is intended to be updated for the entire period of the sale (12 months or more). Please note, otherwise the room availability has the setting of default value (full number of available rooms).

2.1.4. Set availability, for an each single change may be caused by an incoming booking as well (via the interface or via telephone).

3. Set Rates

3.1. Rates Logic: To update the room price per time span, we need to use OTA_HotelRateAmountNotifRQ. It is necessary to send a 'RateAmountMessage' container for each room and each time span specified by the attributes 'Start' and 'End'. Just like how the end date is referenced in availability request above, the day which is stated within the attribute 'End' is excluded.

3.1.1. As an initial setting, rates have to be set for each and every room type for a period from today till next 12 months.

3.1.2. Requests to change rates for several single days and for several periods needs to be performed.

4. Get Bookings, Booking reply ("3.30")

4.1. Booking Request: For booking requests we use OTA_ReadRQ. By default, the request type should be the 'HotelReadRequest' element, which gives all bookings that have changed since it is last requested.

For the testing scenario, it is requested to generate 3 bookings, one each for "Single Room", "Double Room" and a "Suite", each followed by the following test cases:

4.1.1. In PMS, using the booking request, is the test booking for "Single Room" retrieved successfully?

4.1.2. In PMS, using the booking request, is the test booking for "Double Room" retrieved successfully?

4.1.3. In PMS, using the booking request, is the test booking for "Suite" retrieved successfully?

4.2. Global Requests: Get all the bookings that has happened within a specific period. For example, all bookings having taken place yesterday, or all bookings that have taken place for the past one year till today. This would be very useful in case of system breakdown.

4.2.1. In order to fetch booking for a specific period in the past, "GlobalReservationReadRequest" element has to be used.

5. Get Cancellation

Cancel the booking via cancellation link in the booking mail.

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6. Get Modification

Get Modification will do the following two actions:

- (a) Cancellation of the booking in the request.
- (b) Creating a new booking with the requested changes.

7. Set MinLOS per RoomType per day

MinLOS: Defines the minimum length of stay starting from the arrival day. A booking is not possible, if it is requested for a stay period of less than the given number of days in MinLOS value.

For example, for a Double room (RoomID: 6665) if the MinLOS is set to 2, a booking is not accepted, if requested for a stay period of less than 2 days.

8. Set MaxLOS per RoomType per day

MaxLOS: Defines the maximum length of stay starting from the arrival day. A booking is not possible, if it requests for a stay period of more than the given number of days in MaxLOS value.

For example, for a Double room (RoomID: 6665), if the MaxLOS is set to 5, a booking is not accepted if the requested stay period is more than 5 days.

Please see the example below for MinLOS and MaxLOS.

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```
1  <?xml version="1.0" encoding="utf-8"?>
2  <OTA_HotelRateAmountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4      xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05FS_OTA_HotelRateAmountNotifRQ.xsd"
5      EchoToken="0987654321" Timestamp="2011-07-05T09:56:01" Target="Production" Version="3.30"
6      TransactionIdentifier="1234567890" SequenceNbr="1" TransactionStatusCode="Start"
7      PrimaryLangID="en-us" AltLangID="en-us">
8      <POS> ... </POS>
9      <RateAmountMessages HotelCode="12400" >
10         <RateAmountMessage>
11             <StatusApplicationControl Start="2011-08-20" End="2011-08-25" InvCode="27238"
12                 RatePlanType="13" IsRoom="1" Override="1"/>
13             <Rates>
14                 <Rate>
15                     <BaseByGuestAmts>
16                         <BaseByGuestAmt AmountAfterTax="60.00" CurrencyCode="EUR"
17                             DecimalPlaces="2" Code="NET"/>
18                     </BaseByGuestAmts>
19                 </Rate>
20                 <Rate MinLOS="1" MaxLOS="666">
21                     <UniqueID ID="27238" Type="18"/>
22                 </Rate>
23             </Rates>
24         </RateAmountMessage>
25     </RateAmountMessages>
26 </OTA_HotelRateAmountNotifRQ>
```

9. Send No-Show of a booking to channel

If the guest doesn't show up at the accommodation on an arrival day of a booking, it would be considered as a No-Show. The No-Show could then be sent by PMS to inform the system about the guest being a No-Show to avoid being charged by Channel fees.

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_CancelRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2011-07-11T13:01:00"
3  Target="Production" Version="3.30" PrimaryLangID="en" AltLangID="en" CancelType="Modify">
4
5  <!-- The attribute 'CancelType' must have a value of "Modify" for specifying No-Show. -->
6
7  <POS>...</POS>
8  <UniqueID Type="18" ID="644988" ID_Context="CLTZ"
9  URL="urn:cultuzz:cultswitch:xml:request:cancelrq:noshow"/>
10 <UniqueID Type="10" ID="12400" ID_Context="CLTZ"/>
11
12 <!-- The "UniqueID" element with attribute Type="18" ("Other" as per OTA CodeList "UIT"),
13 specifies that the No-Show is being informed by the PMS and the accordant booking
14 number is then specified in the attribute ID (Booking_ID).-->
15
16 <!-- Having a value of "urn:cultuzz:cultswitch:xml:request:cancelrq:noshow" for
17 attribute 'URL' is must, in order to understand this request is for a No-Show. -->
18
19 <TPA_Extensions>
20 <Reasons>
21 <Reason Language="en" Type="Reason for NoShow"></Reason>
22 </Reasons>
23 </TPA_Extensions>
24 </OTA_CancelRQ>

```

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10. Set Arrival Days

Selection of week days where hotel stay might start.

11. Set Departure days

Selection of week days where hotel stay might end.

12. Set Available days

Selection of week days where hotel stay might possible.

13. Object-Channel Mapping

Mapping an object to channel by providing a basic information regarding the connection.

14. Product Logic

A product is defined as a basket of product elements (room type, breakfast, car parking, airport transfer, cot etc.) and has got attributes (price, discounts, payment method, cancellation policies, validity period etc.).

15. Product-Channel Mapping

Accommodation Provider can map a product to a channel using the below request. If ICM is enabled for this requester, then CultSwitch system checks the CCM and HEM and then allows or disallows the product to be mapped to that channel. Same request will be used for DeMapping and CheckMapping by altering some attribute values.

16. Channel Management(room logic)

Cultuzz Channel Management, provides the possibility that a particular channel is treated differently from other channels.

3 OTA-Messages

3.1 Preliminary Note

The CultSwitch uses XML-Documents which follow the standard [OTA-Specification 2006A](#) Version and therefore we suggest users to become familiar with it. The XML-Schemas can be downloaded via www.opentravel.org. The following documentation is intended solely as the specification for the CultSwitch and therefore descriptions do not necessarily cover explanations for the schemas itself.

To check the values from the OTA-Specification this is a useful link:

<http://www.opentravel.org/Specifications/SchemaIndex.aspx?FolderName=2006A>

3.2 Compatibility Note

With version 3.30, CultSwitch changes the general approach to reserving hospitality goods. From now onwards the focus is widened and instead of simply handling rooms, the CultSwitch executes room [products](#). At the moment this change is implemented for the OTA_HotelAvailRQ/RS and the OTA_HotelResRQ/RS. The older types of messages are supported but must use the correct value for the generic attribute 'Version'. They will be listed at the end of the message description part of this document.



3.3 Transactions

The following list contains the transactions handled by CultSwitch. In the first chapter, the function of the content of the message transfer, the integration of the messages and the technical data used will be described. This is followed by an explanation of the technical aspects of the specific OTA transactions, with an illustration of the XML message.

3.4 Master Data update (OTA_HotelDescriptiveContentNotifRQ/RS)

OTA_HotelDescriptiveContentNotifRQ can define the basic properties of an accommodation. This request is used to set the basic features like Name,,Language, Home currency, Bank data, Descriptions, Amenities, Images, Accommodation primary address, Billing address, Contact persons information for an accommodation.

XML : [OTA_HotelDescriptiveContentNotifRQ/RS](#)

3.5 Accommodation Data Request (OTA_HotelDescriptiveInfoRQ/RS)

The detailed accommodation data will be requested via OTA_HotelDescriptiveInfoRQ message. This message offers the accommodation to request the accommodation's data, in several logical and connected ranges.

XML : [OTA_HotelDescriptiveInfoRQ/RS](#)

3.6 Rooms Handling (OTA_HotelRatePlanNotifRQ/RS)

This message allows us to define [product elements](#) and [products](#) with a number of restrictions and conditions like defining policies, [Days of week restrictions](#), [Length of stay](#) etc. Most of the products will have a minimum ([MinLOS](#)) or maximum ([MaxLOS](#)) length of stay. Attribute MaxLOS is optional. By setting MinLOS and MaxLOS to same value, the related product could be booked only for certain amount of stay. [Arrival day](#) is one of the significant contributors while calculating the rate plan of a product. Option to select the day of arrival and calculation of rate plan gives more flexibility towards product handling.

XML : [Rooms Creation/Updation/Deletion \(OTA_HotelRatePlanNotifRQ/RS\)](#)

3.7 Booking Communication (OTA_ReadRQ/OTA_ResRetrieve)

As CultSwitch bookings occur in different marketplaces, it is important to send this information to the accommodation's software, to identify and refresh the known availability.

All bookings generated via the CultSwitch are saved in a single database. Using the nominated message, a registered [PMS](#) can then call up all past bookings for a specific accommodation. The CultSwitch saves the exact time of the request and prevents from unknown bookings being announced.

XML : [OTA_ReadRQ/OTA_ResRetrieve](#)

3.8 Availability Update (OTA_HotelInvCountNotifRQ/RS)

Once the accommodation has been registered in the CultSwitch, and the availability has been defined, it is possible to synchronise the data set between the accommodation's software and the CultSwitch database, via a PMS.

The selected OTA-message which refreshes the [inventory](#) positions, will be used for this - via agreed key values: the [InventoryCodes](#).

XML : [OTA_HotelInvCountNotifRQ/RS](#)

3.9 Rate Amount Update (OTA_HotelRateAmountNotifRQ/RS)

For the already connected accommodations this message offers the opportunity to set the day price for specified room types within individual time spans.

XML : [OTA_HotelRateAmountNotifRQ/RS](#)

3.10 Accommodation Search (OTA_HotelSearchRQ/RS)

The Accommodation Search Request message provides the ability to search for a list of accommodation properties that meet specified criteria. This type of request message is often referred to as a 'wide-area search' because, it typically searches for a list of accommodations within a geographic area that may be fairly constrained or quite broad.

XML : [OTA_HotelSearchRQ/RS](#)

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3.11 Availability Request (OTA_HotelAvailRQ/RS)

The most commonly used search is for available rooms, in a preferred period, for a specified accommodation.

Therefore, the extension of the given transaction for a general accommodation request will be used. This request contains, in addition to the accommodation criterion, the booking period, special facilities and other selection criteria. Normally it is assumed that this extended search will be made in connection with a accommodation search, and this search refers to a specific number of selected accommodations.

The search result also consists of a list of suitable destinations with respective accommodation characteristics and available rooms, along with the accommodation facilities.

The graphical format of this data is up to the [distributors](#) or portal owners, as CultSwitch only sends technical data, without any design specifications. Therefore it is possible that the received data can be added to other offers and seamlessly integrated into a preferred web-design.

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XML : [OTA_HotelAvailRQ/RS](#)

3.12 Reservation Cancellations (OTA_CancelRQ/RS)

For each booking, a unique booking number is created which can be used further for modification or cancellation. A cancellation is made by using OTA-standard message OTA_CancelRQ and will be identified via the booking number. The cancellation, once registered inside the CultSwitch, will then be automatically transferred to the accommodation.

XML : [OTA_CancelRQ/RS](#)

3.13 No-Show Update (OTA_CancelRQ/RS)

If the guest doesn't show up at the accommodation on an arrival day of a booking, it would be considered as a No-Show. The No-Show could be sent by PMS to inform the system about the guest being a No-Show to avoid being charged by Channel fees etc.

XML : [OTA_CancelRQ/RS for "No-Show" by PMS](#)

3.14 Notifications To PMS

CultSwitch pushes the notifications to target systems (PMS/CRS). The following are the different kinds of Notifications pushed by CultSwitch.

1. OTA_HotelDescriptiveContentNotifRQ

CultSwitch pushes this kind of notification whenever accommodation master data is created or updated.

CultSwitch request :

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
```

```

3         TimeStamp="2011-07-05T09:40:42" Target="Production" Version="3.30"
4         PrimaryLangID="en">
5     <POS>...</POS>
6     <HotelDescriptiveContents>
7         <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN"
8             HotelCode="12400" BrandName="CULTUZZ" HotelCodeContext="CLTZ"
9             ChainName="CultSwitch" TimeZone="GMT"
10            HotelName="CultSwitchDocHotel" ID="12292">
11         <HotelInfo> ...</HotelInfo>
12         <FacilityInfo>... </FacilityInfo>
13         <Policies>...</Policies>
14         <GDS_Info>...</GDS_Info>
15         <AffiliationInfo>...</AffiliationInfo>
16         <ContactInfos>... </ContactInfos>
17         <Viewerships>...</Viewerships>
18         <AreaInfo>...</AreaInfo>
19         <TPA_Extensions>...</TPA_Extensions>
20     </HotelDescriptiveContent>
21 </HotelDescriptiveContents>
22 </OTA_HotelDescriptiveContentNotifRQ>

```

CultSwitch expects the following response :



```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
3     Target="Production" TimeStamp="2011-07-05T09:56:01"
4     TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
5     Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6     <Success/>
7     <TPA_Extensions>
8         <ResponseTime ProcessTime="2.453" ProcessTimeUnit="Seconds"
9             RequestStartTime="2011-07-05 09:56:01.213"
10            ResponseEndTime="2011-07-05 09:56:03.666"/>
11         <Checksum RequestMD5="MD5 of the Request String"/>
12     </TPA_Extensions>
13 </OTA_HotelDescriptiveContentNotifRS>

```

2. OTA_HotelDescriptiveContentNotifRQ

CultSwitch pushes this kind of notification whenever accommodation product or product element data is created or updated.

CultSwitch request :

```

1 <?xml version="1.0" encoding="utf-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3     TimeStamp="2011-07-05T09:40:42" Target="Production" Version="3.30"
4     PrimaryLangID="en">
5     <POS>...</POS>
6     <HotelDescriptiveContents>
7         <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN"
8             HotelCode="12400" >
9     <TPA_Extensions>
10         <RatePlans>
11             <RatePlan>...</RatePlan>
12         </RatePlans>
13     </TPA_Extensions>
14 </HotelDescriptiveContent>
15 </HotelDescriptiveContents>
16 </OTA_HotelDescriptiveContentNotifRQ>

```

CultSwitch expects the following response :

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
3     Target="Production" TimeStamp="2011-07-05T09:56:01"
4     TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
5     Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6     <Success/>
7     <TPA_Extensions>
8         <ResponseTime ProcessTime="2.453" ProcessTimeUnit="Seconds"
9             RequestStartTime="2011-07-05 09:56:01.213"

```

```
10         ResponseEndTime="2011-07-05 09:56:03.666"/>
11         <Checksum RequestMD5="MD5 of the Request String"/>
12     </TPA_Extensions>
13 </OTA_HotelDescriptiveContentNotifRS>
```

3. OTA_HotelResNotifRQ

CultSwitch pushes this notification whenever the booking created or updated.
CultSwitch request :

```
1 <OTA_HotelResNotifRQ PrimaryLangID="en" ResStatus="Initiate"
2   Target="Production" TimeStamp="2011-07-05T11:09:41" Version="3.30"
3   xmlns="http://www.opentravel.org/OTA/2003/05">
4   <POS> ... </POS>
5   <HotelReservations>
6     <HotelReservation RoomStayReservation="true" >
7       <RoomStays>...</RoomStays>
8     <ResGuests>...</ResGuests>
9     <ResGlobalInfo>...</ResGlobalInfo>
10    <TPA_Extensions/>
11  </HotelReservation>
12 </HotelReservations>
13 </OTA_HotelResNotifRQ>
```

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CultSwitch expects the following response :

```
1 <OTA_HotelResNotifRS PrimaryLangID="en" Target="Production"
2   TimeStamp="2011-10-19T12:14:20" Version="3.30">
3   <Success/>
4   <HotelReservations>
5     <HotelReservation>
6       <TPA_Extensions>
7         <Checksum RequestMD5="MD5 of the Request String"/>
8       </TPA_Extensions>
9     </HotelReservation>
10  </HotelReservations>
11 </OTA_HotelResNotifRS>
```

4 Technical Function

4.1 XML-Elements

The data exchange will be carried out using the standard HTTP protocol. The request message should be sent as POST-DATA within a parameter called 'otaRQ' and the reply message will be written directly into the HTTP-Response by the CultSwitch. CultSwitch accepts request in "text/xml" format only. CultSwitch also supports gzip compression for every request and response. The requesting system should set proper request headers. "PrimaryLangID" is mandatory to post any request to CultSwitch.

CultSwitch accepts data only in UTF-8 encoding format.

The target address for CultSwitch is:

<https://cultswitch.cultuzz.de/cultswitch/processOTA>

Secure target address of CultSwitch:

<https://cultswitch.cultuzz.de:8443/cultswitch/processOTA>

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Cultuzz consistently strives to ensure that data security is maintained and that its products are compliant with international security best practises and principles. The PCI (Payment Card Industry) certification proves, that the company has established its own security framework, and that all products and information security policies are in line with PCI guidelines.

4.2 HTTP-Ping

The OTA_PingRQ message may be used for testing application connectivity, by sending some specific text within 'EchoData' element and determining if the receiving application is able to echo back that same text.

```
1 <OTA_PingRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30" TimeStamp=
2   "2011-07-24T10:07:24" Target="Production">
3   <EchoData><![CDATA[Hello World!]]></EchoData>
4 </OTA_PingRQ>
```

```
1 <OTA_PingRS Version="3.30" TimeStamp="2011-07-24T10:07:24">
2   <EchoData><![CDATA[Hello World!]]></EchoData>
3 </OTA_PingRS>
```

4.3 Authentication

The authentication from the request party is actually made by a container element inside the OTA-Message (Authentication per OTA-<POS>-element)

```
1 <POS>
2   <Source AgentSine="xxx" AgentDutyCode="xxxxxxxxxx">
3
4   <!-- The source element specifies the source of the request and holds the identifier
5        in the AgentSine attribute as a string (e.g.PMS-ID) and authentication password
6        in the AgentDutyCode attribute as a string. Both values are generated by
7        CultSwitch and transmitted by e-mail at the time of creating a profile using
8        OTA_ProfileCreateRQ. -->
```



```

9
10     <RequestorID Type="10" ID="XXX" ID_Context="CLTZ"/>
11
12     <!-- In this element, the accommodation or hotel whose request and/or data transfer is
13          will be identified with a unique CultSwitch_ID for attribute '@ID', also known
14          as HotelID the value for Type is 10 (OTA-UIT) -->
15
16     <!--
17     <RequestorID Type="10" ID="PartnerID" ID_Context="PartnerName"/>
18
19     InsteadOf providing Cultuzz HotelID, Partner can provide his own ID -->
20
21     <BookingChannel Type="4"/>
22
23     <!-- Here the requestor type must be indicated with the value of the attribute Type',
24          according to the OTA-BookingChannelType (BCT). At the moment the CultSwitch
25          supports BCT = PMS (Type='4') for a PMS and BCT = 'Internet' (Type='7') for a
26          distributor. -->
27
28     </Source>
29 </POS>

```

4.4 Users Identification



Requestor can be identified by Cultuzz UserID in another 'Source' element under 'POS'. It is mandatory for the functions like RefreshData, making BookingService online/offline, ChannelManagement and DistributorConnections.

```

1 <POS>
2   <Source>...</Source>
3   <Source>
4     <RequestorID ID="15104" Type="1" URL="urn:cultuzz:cultswitch:auth:username"
5               ID_Context="CLTZ"/>
6     <BookingChannel Type="7"/>
7   </Source>
8 </POS>

```

5 XMLs

5.1 OTA_HotelDescriptiveContentNotifRQ/RS

5.1.1 Request Message (OTA_HotelDescriptiveContentNotifRQ)

OTA_HotelDescriptiveContentNotifRQ can define the basic properties of an accommodation. This request is used to set the basic features like Name, Language, Home Currency, Bank Data, Descriptions, Amenities, Images, Accommodation primary address, Billing address, Contact persons information for an accommodation.

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```
1  <?xml version="1.0" encoding="utf-8"?>
2  <OTA_HotelDescriptiveContentNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Timestamp="2011-07-05T09:40:00" Target="Production" Version="3.30"
4      PrimaryLangID="en">
5      <POS>...</POS>
6      <HotelDescriptiveContents>
7          <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN" Overwrite="true"
8              HotelCode="12400" BrandName="CULTUZZ"
9              HotelCodeContext="CLTZ" HotelName="Cultuzz"
10             ChainName="CultSwitch" TimeZone="GMT" ID="12292">
11
12          <!-- The attribute 'Overwrite' indicates if the data which is part of this message
13               should be taken as an UPDATE for already existing data or just contains new
14               content which should be added to the given accommodation. Therefore Overwrite="1"
15               must be used to update an existing description/data. Overwrite="0" will only work
16               if no intended description/data currently exists for this accommodation. Alternately
17               "true" or "false" may be used in place of "1" and "0" for attribute 'Overwrite'. -->
18
19          <HotelInfo InterfaceCompliance="CultDesk"
20              PMSSystem="CultDesk" Start="2011-09-16" TaxID="Hu67502Bhyrf">
21              <Descriptions>
22                  <Description ContentCode="7" Name="txt:description_long">
23                      <Text Language="de" Formatted="false"><![CDATA[This is a multi-national hotel
24                          providing all the types of facilities including Sea view ]]></Text>
25                  </Description>
26
27                  <!-- The accommodation can further be described using the 'Descriptions' -> 'Description'
28                       element. The 'Name' attribute for 'Description' element is used to identify
29                       what kind of description it carries. The descriptions can be image URL's,
30                       general URL's, long descriptions, short description etc.,. The value that
31                       needs to be used for attribute 'Name' can be taken from the appendix at the
32                       bottom of this document under CultSwitch Name-Attributes. -->
33
34                  <Description ContentCode="8" Name="txt:description_short">
35                      <Text Language="en"><![CDATA[CultSwitchDocHotel is a hotel]]></Text>
36                  </Description>
37                  <Description Name="singleroomtype" CreateDateTime="2011-06-21T11:00:00"
38                      ContentTitle="image" ContentCaption="Room:BedRooms:SingleBedRoom">
39                      <URL>http://extweb.cultuzz.de/bv/122/img_81129.jpg</URL>
40                  </Description>
41                  <Description ContentCode="10" Name="txt:Liability">
42                      <Text Language="en"><![CDATA[Taxes will be included at the time of billing]]></Text>
43                  </Description>
44                  <Description ContentCode="11" Name="txt:Location">
45                      <Text Language="en"><![CDATA[Landmark for the hotel is Reliance Departmental
46                          Store]]></Text>
47                  </Description>
48                  <Description ContentCode="12" Name="txt:Directions">
49                      <Text Language="en"><![CDATA[Hotel situated at 10kms north from the city main
50                          road]]></Text>
51                  </Description>
52                  <Description ContentCode="13" Name="txt:Insider_Tips">
53                      <Text Language="en"><![CDATA[Donot spoil hotel related furniture and things]]></Text>
54                  </Description>
55                  <Description ContentCode="8" Name="txt:HotelName">
56                      <Text Language="en"><![CDATA[AccommodationName]]></Text>
57                  </Description>
58                  <Description Name="txt:description_long"
59                      ContentTitle="HomePage:Text"
60                      ContentCaption="Season2" ParagraphNumber="1" Removal="false">
61
62                  <!-- Here 'ContentTitle' holds description about HomePage. Here 'Text' means, it provides
63                       textual description and it also supports Link/Picture which holds url/path of
64                       the picture related to HomePage. 'ContentCaption' specifies season code according to
65                       OTA_Code table.
66                       ContentTitle = "xxx:Text" accepts Name="txt:description_long/txt:description_short"
67                       and for all other "Name" should be txt:description_short. -->
68
```

```

69      <Text Language="de"><![CDATA[Description about HomePage]]></Text>
70    </Description>
71    <Description Name="txt:description_long"
72      ContentTitle="Gallery:Text"
73      ContentCaption="At3" ParagraphNumber="1" Removal="false">
74
75    <!-- Here 'ContentTitle' holds description about Gallery. Here 'Text' means, it provides
76    textual description and it also supports Link/Picture which holds url/path of
77    the picture related to Gallery. 'ContentCaption' specifies seasonal details. -->
78
79    <Text Language="de">Description about Gallery</Text>
80  </Description>
81  <Description Name="txt:description_long"
82    ContentTitle="HomePage:Text" ContentCaption="SeasonAr5"
83    ParagraphNumber="3" Removal="False">
84
85  <!-- ContentTitle specifies mode of description i.e. Text/Link/Image and ContentCaption
86  specifies season code and sub-season is specified under ParagraphNumber. -->
87
88    <Text Language="de"><![CDATA[A multi-national hotel providing all the types of
89    facilities]]></Text>
90  </Description>
91  <Description Name="txt:description_short"
92    ContentTitle="HomePage:Link" ContentCaption="84"
93    ParagraphNumber="4" Removal="True/False">
94    <URL><![CDATA[/www.comic.com/images/]]></URL>
95
96  <!-- As the attribute 'ContentTitle' specifies HomePage:Link, URL of the homepage
97  should be given here. -->
98
99  </Description>
100 <Description Name="txt:description_short"
101   ContentTitle="HomePage:Picture" ContentCaption="58"
102   ParagraphNumber="2" Removal="True" RecordID="4875">
103   <Image><![CDATA[/www.fg.com/92.png]]></Image>
104
105 <!-- Removing/Updation of a description: Removal/Updation of a particular
106 description is possible only by specifying respective 'RecordID'. For removal,
107 it need an additional attribute with Removal="True". -->
108
109 </Description>
110 <Description Name="txt:HotelName" Removal="false">
111   <Text Language="en"><![CDATA[Hotel name in English language ]]></Text>
112 </Description>
113 <Description Name="txt:HotelName" Removal="true" RecordID="1873">
114   <Text Language="de"><![CDATA[Hotel name in German language]]></Text>
115
116 <!-- Removing a description is possible by specifying a "RecordID" along with
117 Removal="True". -->
118
119 </Description>
120 <Description CreatorID="CultDesk" Description="CultDesk"
121   Name="data:PMS/CRS_Software">
122   <Text><![CDATA[CultDesk]]></Text>
123 </Description>
124 <Description ContentCode="1" Name="img:approach_map">
125   <Text Language="en"><![CDATA[http://extweb.cultuzz.de/bv/12400/
126   img_169570.jpg]]></Text>
127 </Description>
128 <Description ContentCode="4" Name="img:company_logo">
129   <Text Language="en"><![CDATA[http://extweb.cultuzz.de/bv/12400/
130   img_169568.jpg]]></Text>
131 </Description>
132 <Description Name="url:CultBooking">
133   <URL><![CDATA[https://aquilae.cultuzz.de/cultbooking/index.php?
134   hotel_id=11614-12400-b0ae3]]></URL>
135 </Description>
136 <Description Name="url:CultBookingAGB">
137   <URL><![CDATA[https://albatros.cultuzz.de/service/dateiverwaltung
138   /upload/download.php?dateien_id=11725]]></URL>
139 </Description>
140 <Description CodeDetail="200" ContentData="MinCapacity" Removal="True/False"/>
141 <Description CodeDetail="250" ContentData="MaxCapacity" Removal="True/False"/>
142 <Description CodeDetail="25" ContentData="MaxRoomSize" Removal="True/False"/>
143 <Description ContentCode="6" ContentData="display" CodeDetail="12"
144   Removal="True/False"/>
145
146 <!-- The hotelier can restrict/allow a distributor to 'display' a Geographical MAP
147 at some zoom level. With the 'Description' element, if the value
148 of 'ContentCode' contains "6", as per OTA-CodeList, it refers to "Map". -->
149
150 <!-- The attribute 'ContentData' can contain values "display" or "no-display", as
151 required, whether to display the map or not to display the map respectively. -->
152
153 <!-- The value contained in attribute 'CodeDetail' specifies the default Zoom level
154 to be used when displaying the map. In the example above, Zoom level is 12. -->
155

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156         <Description InfoCode="8" />
157
158     <!-- InfoCode holds OTA Codes of InformationType (INF) from OtherOTACodes table. -->
159
160     <!-- To Refresh an accommodation, CodeDetail must be "Refresh" and ContentData holds
161          Distributor-ID and Name specifies Distributor name. -->
162
163         <Description CodeDetail="Refresh" ContentData="7563"
164             ContentTitle="ChannelInfo" Name="booking.com" RecordID="12400"/>
165
166     </Descriptions>
167     <OwnershipManagementInfos>
168         <OwnershipManagementInfo>
169             <CompanyName Code="8888ssss" CodeContext="CommercialRegisterNumber"/>
170
171     <!-- 'OwnershipManagementInfo' pushes information like RegisterNumber,
172          CommercialRegisterNumber and LegalRepresentative number related to accommodation.
173          Removal: Removal of any of these is possible by the following XML format.
174          <OwnershipManagementInfo>
175              <CompanyName/>
176          </OwnershipManagementInfo>
177     -->
178         </OwnershipManagementInfo>
179         <OwnershipManagementInfo>
180             <CompanyName Code="8s" CodeContext="RegisterNumber"/>
181         </OwnershipManagementInfo>
182         <OwnershipManagementInfo>
183             <CompanyName Code="fdg5659" CodeContext="LegalRepresentative"/>
184         </OwnershipManagementInfo>
185     </OwnershipManagementInfos>
186     <CategoryCodes>
187         <LocationCategory Code="1" CodeDetail="VTZ"/>
188
189     <!-- LocationCategory with an attribute 'Code' with a value '1' specifies that
190          the attribute 'CodeDetail' contains the value of an AirPort Code of nearest
191          Airport from Location Category Codes (LOC) . -->
192
193         <HotelCategory Code="4" />
194         <HotelCategory Code="6" />
195
196     <!-- Defines the particular type of accommodation (e.g., golf, ski, bed and breakfast).
197          Refer to the OTA-CodeTable for PropertyClassType (PCT) for the list of
198          available options. Value '4' for attribute 'Code' identifies it as a 'Bread
199          & Breakfast'.
200          Removal: <HotelCategory/> -->
201
202         <GuestRoomInfo Code="28" Quantity="200" /> <!-- Number of rooms-->
203         <!-- OR -->
204         <GuestRoomInfo Code="231" Quantity="1"/> <!-- (0- Rooms, 1- Beds)-->
205         <GuestRoomInfo Code="230" Quantity="48"/> <!-- Quantity -->
206
207     <!-- The total number of rooms for the accommodation should be communicated with the
208          element 'GuestRoomInfo'. The attribute 'Code' refers to Guest Room Info (GRI).
209          Using the value '28' for attribute 'Code' is mandatory, because the Cultuzz-System
210          is only system storing the absolute number of rooms within an accommodation. -->
211
212     </CategoryCodes>
213     <Position Longitude="120.0012100" Latitude="88.0121212"/>
214
215     <!-- The geographical position of the accommodation, though not mandatory, is very
216          important and crucial for the accommodation data and search. It would be used
217          to search by nearest Kilometre from a given search criteria and would
218          always be advantageous to provide Latitude and Longitude, so that the accom-
219          mmodation would be better listed in the searches performed by nearest locations.
220     -->
221     <Services>
222         <Service BusinessServiceCode="1" />
223
224     <!-- Here 'BusinessServiceCode' holds OTA Codes of BusinessSrvctype (BUS) like
225          "Computer" with code "1", "E-mail service" with code "97", etc., -->
226
227         <Service>
228             <Description ContentData="offline" Name="BookingService"/>
229
230         <!-- 1) BookingService can be online/offline depending upon the value held by the
231              attribute ContentData.BookingService can Activate/Deactivate (online/offline)
232              the Object from a Present-Date to Timely-Unlimited -->
233
234         </Service>
235
236         <!-- OR -->
237         <!-- 2) BookingService can Activate/Deactivate (online/offline) the Object from
238              a Future-Date to some other Future-Date-->
239
240         <Service>
241             <Description ContentData="online" Name="BookingService"/>
242             <OperationSchedules>

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243         <OperationSchedule Start="2013-10-02" End="2013-10-20" />
244     </OperationSchedules>
245 </Service>
246
247 <!-- OR -->
248 <!-- 3) BookingService can Activate/Deactivate (online/offline) the Object from
249 a Future-Date to Timely-Unlimited-->
250
251     <Service>
252         <Description ContentData="online" Name="BookingService"/>
253         <OperationSchedules>
254             <OperationSchedule Start="2013-10-02"/>
255         </OperationSchedules>
256     </Service>
257
258 <!-- OR -->
259 <!-- 4) BookingService can Activate/Deactivate (online/offline) the Object from
260 the Present-Date to some other Future-Date-->
261
262     <Service>
263         <Description ContentData="online" Name="BookingService"/>
264         <OperationSchedules>
265             <OperationSchedule End="2013-09-20"/>
266         </OperationSchedules>
267     </Service>
268
269     <Service Code="5"/>
270
271 <!-- 'CodeDetail' and 'Code' specifies amenity type and its code (from HAC table).
272 We can remove the amenity by giving True value to 'Removal' attribute. If
273 the value of the attribute 'Include' holds True/False for activating and
274 deactivating the amenity respectively. 'Code' holds HotelAmenityCodes (HAC)
275 like "Transfer Service" with code "43", "Air Conditioning" with code "5" etc.
276 -->
277     <Service >
278         <Description PictureCategoryCode="10" />
279
280 <!-- PictureCategoryCode holds OTA Codes of PictureCategoryCode (PIC) from
281 OtherOTACodes table.
282 Removal: <Description/>
283 -->
284     </Service>
285     <Service>
286         <Contact>
287             <Names>
288                 <Name SrvcCode="11" />
289             </Names>
290 <!-- SrvcCode holds OTA Codes of Contact Srvc Code (CSC) from OtherOTACodes table.
291 Removal: <Name/>-->
292
293             </Names>
294         </Contact>
295     </Service>
296     <Service>
297         <Description ContentData="Activate/Deactivate" Name="AutoReplenishment"/>
298     </Service>
299
300 <!-- Channel receives an update without increment in Availability for those Objects whose AutoReplenishment feature is
301 in Deactivate mode at the time when Booking marked as a Cancellation and sends Confirmation email to Hotelier
302 and Vice-versa. By default AutoReplenishment is in Active state-->
303
304     </Services>
305     <RelativePositions>
306         <RelativePosition>
307             <Transportations>
308                 <Transportation TransportationCode="4" />
309                 <Transportation TransportationCode="17" />
310             </Transportations>
311 <!-- TransportationCode holds OTA Codes of Transportation Code (TRP) from OtherOTACodes
312 table.
313 Removal: <Transportation/> -->
314
315             </Transportations>
316             </RelativePosition>
317             <RelativePosition IndexPointCode="3" />
318             <RelativePosition IndexPointCode="6" />
319
320 <!-- IndexPointCode holds OTA Codes of IndexPointCode (IPC) table.
321 Removal: <RelativePosition/> -->
322
323             </RelativePositions>
324     </HotelInfo>
325     <FacilityInfo LastUpdated="2011-07-05T09:40:42">
326
327 <!-- The 'FacilityInfo' element is used to specify the available guest rooms, meeting
328 rooms, restaurants etc. -->
329

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330 <GuestRooms>
331 <GuestRoom Code="Amenities">
332 <TypeRoom RoomClassificationCode="34" />
333 <TypeRoom RoomClassificationCode="36" />
334
335 <!-- RoomClassificationCode holds OTA Codes of GuestRoomInfo (GRI) table.
336 Removal: Removal of guest room amenities by <TypeRoom/> -->
337 </GuestRoom>
338 </GuestRooms>
339 <Restaurants>
340 <Restaurant>
341 <InfoCodes>
342 <InfoCode Code="7" />
343
344 <!-- Code holds OTA Codes of Restaurant Category Code (RES) from OtherOTACodes table.
345 Removal: Removal of Restaurant Category Codes by <InfoCode/> -->
346
347 </InfoCodes>
348 <SrvInfoCodes>
349 <SrvInfoCode Code="9" />
350 <SrvInfoCode Code="14" />
351
352 <!-- Code holds OTA Codes of Restaurant Srv Info (RSI) from OtherOTACodes table.
353 Removal: Removal of Restaurant Srv Info by <SrvInfoCode/> -->
354
355 </SrvInfoCodes>
356 <CuisineCodes>
357 <CuisineCode Code="57" />
358 <CuisineCode Code="1001" />
359
360 <!-- Code holds OTA Codes of MainCuisineCode (CUI) table.
361 Removal: Removal of MainCuisine Codes by <CuisineCode/> -->
362
363 </CuisineCodes>
364 </Restaurant>
365 </Restaurants>
366 <MeetingRooms>
367 <MeetingRoom>
368 <Codes>
369 <Code Code="18" />
370 <Code Code="119" />
371
372 <!-- Code holds OTA Codes of MeetingRoomCode (MRC) table.
373 Removal: Removal of MeetingRoomCodes by <Code/> -->
374
375 </Codes>
376 </MeetingRoom>
377 </MeetingRooms>
378 </FacilityInfo>
379 <Policies>
380 <Policy Removal="False">
381 <PolicyInfo CheckInTime="10:30:00" CheckOutTime="20:30:00" >
382 <Description name ="Reception Timings"/>
383 </PolicyInfo>
384
385 <!-- Check-In time and Check-Out time of an accommodation will be provided within
386 the 'PolicyInfo' element with attributes 'CheckInTime' and 'CheckOutTime'. -->
387 </Policy>
388 <Policy>
389 <StayRequirements>
390 <StayRequirement MinLOS="2" MaxLOS="999">
391 <Description Name="27236"/>
392
393 <!-- The MaxLOS and MinLOS (if specified in master data), indicates the Maximum and
394 Minimum length of stay required for the identified room. The room for which this
395 restriction applies is identified with the <Description> element with its 'Name'
396 attribute. The example above shows that for RoomID: 27236, the MinLOS is 2 and
397 MaxLOS is 999. -->
398
399 </StayRequirement>
400 </StayRequirements>
401 </Policy>
402 <Policy>
403 <GuaranteePaymentPolicy>
404 <GuaranteePayment>
405 <AcceptedPayments>
406 <AcceptedPayment>
407
408 <!-- The <AcceptedPayment> contains the credit/debit cards accepted by the accommodation.
409 -->
410
411 <PaymentCard CardCode="VI" CardType ="2"/>
412 </AcceptedPayment>
413 <AcceptedPayment>
414 <PaymentCard CardCode="DS" CardType ="1"/>
415
416 <!-- The CardType value is taken from OTA-CodeTable Card Type "CDT". For example

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417 CardType="1" specifies it is a Credit Card, 2 specifies Debit Card. The CardCode
418 needs to be strictly from one of the supported cards as per the
419 Supported Credit Cards table from Appendix. -->
420
421     </AcceptedPayment>
422   </AcceptedPayments>
423   </GuaranteePayment>
424 </GuaranteePaymentPolicy >
425 </Policy>
426 <Policy>
427   <PetsPolicies>
428     <PetsPolicy PetsPolicyCode="1001" />
429     <PetsPolicy PetsPolicyCode="1002" />
430
431 <!-- PetsPolicyCode holds OTA Codes of PetsPolicyCode (PET) table.
432 Removal: Removal of PetsPolicies by <PetsPolicy/> -->
433
434   <PetsPolicies>
435 </Policy>
436 <Policy CodeDetail = "AvailabilitySplitting">
437   <PolicyInfoCodes>
438     <PolicyInfoCode CodeContext="DistributorID" Code="14638" ExistsCode="1"/>
439     <PolicyInfoCode CodeContext="DistributorID" Code="6484" ExistsCode="2"/>
440
441 <!-- AvailabilitySplitting allows splitting of availability for the connected
442 distributors of this object specified under PolicyInfoCode->Code. 'ExistsCode'
443 holds three values (1-Split availability, 2- don't split availability, 3-Split
444 according to channel setting -->
445
446   </PolicyInfoCodes>
447 </Policy>
448 </Policies>
449 <GDS_Info>
450   <GDS_Codes>
451     <GDS_Code GDS_Name="Jacob" GDS_PropertyCode="29221"/>
452     <GDS_Code GDS_Name="Airmiles" GDS_PropertyCode="29222"/>
453     <GDS_Code GDS_Name="Tiscover" GDS_PropertyCode="ACCd7245s8"/>
454
455 <!-- The attribute 'GDSName' under 'GDSCode' element specifies name of a distributed
456 system and the attribute 'GDSPropertyCode' is the UniqueId for that system. -->
457
458   </GDS_Codes>
459 </GDS_Info>
460 <AffiliationInfo>
461 <Awards>
462   <Award Rating="5"/>
463
464 <!-- The 'Award' element can be used to specify any awards received by the hotelier.
465 The attribute 'Rating' contains the value for the award received. Typically
466 this would be used to mention the "Star" rating of the accommodation like
467 5-Star, 3-Star etc. -->
468
469   <Award Provider="Hotelstars Union" Date="2010-12-20" Rating="9"
470     RatingSymbol="Diamond"/>
471
472 <!-- Alternately, the attribute 'RatingSymbol' can be used with the value of "Star"
473 or "Diamond". Also, the attribute 'Provider' contains the name of the rating
474 provider. The 'Date' attribute specifies on which date this award is given to
475 this hotel. For example, the XML fragment above specifies that this accomod-
476 ation is given a rating of "9 Diamonds" by "Hotelstars Union" on "Dec 20th
477 2010". -->
478
479   <Award Provider="Green Leaf" Date="2010-12-20" Rating="3:Green" />
480
481 <!-- If the rating is something related to Environmental or any other kind of
482 rating other than Luxury like Star or Diamond, it could be provided within the
483 same 'Rating' attribute by clubbing both "rating" and "rating type" with a ":"
484 for example, if the award is 3-Greens, then the 'Rating' attribute can have
485 the value of "3:Green". If the award is 5-Waste Management, then the 'Rating'
486 attribute can have the value of "5:WasteManagement". -->
487
488   <Award Rating="3:5" OfficialAppointmentInd="true"/>
489
490 <!-- Here rating is related to the accommodations Bar or GolfCourt or any other. If
491 'officialAppointmentInd' is True means, consider the specified rating
492 otherwise ignore it. -->
493
494 </Awards>
495 <PartnerInfos>
496
497 <!-- 'PartnerInfos' gives information about the partners or distributed systems
498 connected to our distributor i.e external distributors. -->
499
500   <PartnerInfo>
501     <Contact Removal="False">
502       <CompanyName CompanyShortName="Linz"/>
503     </Contact>

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504     <Description Name="RESORT_TOWN" CreatorID="Tiscover">
505         <Text><![CDATA[The official partner]]></Text>
506     </Description>
507 </PartnerInfo>
508 </PartnerInfos>
509 </AffiliationInfo>
510 <ContactInfos>
511     <ContactInfo LastUpdated="2011-07-05T06:56:01">
512         <Addresses> <!--Hotelier address-->
513             <Address FormattedInd="false" UseType="7">
514                 <StreetNmbr><![CDATA[3rd Lane]]></StreetNmbr>
515                 <BldgRoom><![CDATA[Dwarakanagar]]></BldgRoom>
516                 <AddressLine><![CDATA[9-9-106/8]]></AddressLine>
517             </Address>
518 <!-- Here "StreetNmbr" holds first-street, "BldgRoom" holds second-street
519      and "AddressLine" holds street-number -->
520             <CityName><![CDATA[Visakhapatnam]]></CityName>
521             <PostalCode><![CDATA[530016]]></PostalCode>
522             <StateProv><![CDATA[Bremen]]></StateProv>
523             <CountryName Code="IN"><![CDATA[India]]></CountryName>
524         </Address>
525     </Addresses>
526     <Phones>
527         <Phone PhoneNumber="+49 (30) 726225-0" PhoneTechType="1"/>
528         <Phone PhoneNumber="+49 (30) 726225-59" PhoneTechType="3"/>
529     </Phones>
530     <Emails>
531         <Email><![CDATA[cultswitch-support@cultuzz.com]]></Email>
532         <Email DefaultInd="false" EmailType="3">
533             cultuzz_alternate@cultuzz.com</Email>
534     </Emails>
535     <URLs>
536         <URL><![CDATA[www.cultuzz.com]]></URL>
537     </URLs>
538     <CompanyName Code="CultuzzDep" CodeContext="Department"
539         CompanyShortName="CultShortName">Cultuzz_India</CompanyName>
540 </ContactInfo>
541 <ContactInfo>
542     <Addresses>
543         <Address RPH="en" UseType="3"><!-- Billing Address -->
544             <StreetNmbr><![CDATA[Dwaraka Nagar 3rd Lane]]></StreetNmbr>
545             <AddressLine><![CDATA[Cultuzz]]></AddressLine>
546             <AddressLine><![CDATA[No. 47-9-14]]></AddressLine>
547             <CityName><![CDATA[Visakhapatnam]]></CityName>
548             <PostalCode><![CDATA[530016]]></PostalCode>
549             <StateProv><![CDATA[Andhrapradesh]]></StateProv>
550         </Address>
551     </Addresses>
552     <Emails>
553         <Email><![CDATA[cultswitch-support@cultuzz.com]]></Email>
554     </Emails>
555     <URLs>
556         <URL><![CDATA[www.cultuzz.com]]></URL>
557     </URLs>
558 </ContactInfo>
559 <ContactInfo ContactProfileID="19" ContactProfileType="3"
560     LastUpdated="2011-07-05T15:10:12" Removal="false">
561 <!-- The ContactProfileID="19" indicated the Bussiness Contact person details. For
562      creating Bussiness Contact person details, 'ContactProfileID' holds the string
563      as "new" and later it takes updates by giving the profileID (assigned uniquely
564      for this contact person of this objectID) under ContactProfileID.
565      Removing the detailsof the contact person is possible by giving Removal="true".
566
567      The attribute "ContactProfileType" represents the Relationship of the contact person.
568      Here, the value '3' indicates that this contact person is a 'General manager' of a
569      specific property.
570      ContactProfileType holds otaCodes of RelationshipCodes (REL) table.
571 -->
572     <Names>
573         <Name CodeDetail="en" Gender="Male">
574             <NameTitle><![CDATA[Mr. ]]></NamePrefix>
575             <GivenName><![CDATA[TestGivenMNameForUpdate]]></GivenName>
576             <Surname><![CDATA[TestsurNameforUpdate]]></Surname>
577             <JobTitle Type="corporate"><![CDATA[TestJobForUpdate]]></JobTitle>
578             <MiddleName><![CDATA[TestMiddleNameForUpdate]]></MiddleName>
579         </Name>
580     </Names>
581     <Phones>
582         <Phone Extension="10" PhoneNumber="7569317626" PhoneTechType="3"/>
583         <Phone Extension="7" PhoneNumber="9175617626" PhoneTechType="7"/>
584     </Phones>

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591         </Phones>
592         <Emails>
593             <Email EmailType="3"><![CDATA[cultdoc@gamil.com]]></Email>
594             <Email EmailType="4"><![CDATA[cultdocument@cultuzz.com]]></Email>
595         </Emails>
596         <URLs>
597             <URL Type="bussiness"><![CDATA[www.cultuzz.com/cultswitch]]></URL>
598             <URL Type="bussiness"><![CDATA[www.cultuzz.com/cultdesk]]></URL>
599         </URLs>
600     </ContactInfo>
601 </ContactInfos>
602 <Viewerships>
603     <Viewership>
604         <Profiles>
605             <Profile ProfileType="12">
606                 <CompanyInfo>
607                     <PaymentForm>
608                         <BankAcct AcctType="Savings" BankAcctNumber = "11034587298"
609                             BankID="11102">
610
611 <!-- AcctType can hold any of these values "Savings/Investment/Checking". -->
612
613                         <BankAcctName><![CDATA[Cultuzz]]></BankAcctName>
614                         </BankAcct>
615                     </PaymentForm>
616                     <CompanyName Code="1012" CodeContext="SWIFT"><![CDATA[CultBank]]></CompanyName>
617
618 <!-- Here CodeContext can be SWIFT/BIC/IBAN and the value posted by the attribute 'Code'
619 specifies its respective values. -->
620
621                 </CompanyInfo>
622             </Profile>
623         </Profiles>
624     </Viewership>
625 </Viewerships>
626 <Profiles>
627     <Profile>
628         <PrefCollections>
629             <PrefCollection>
630                 <HotelPref>
631                     <RecreationSrvcPref RecreationSrvcType="61" />
632                     <RecreationSrvcPref RecreationSrvcType="62" />
633
634 <!-- RecreationSrvcType holds OTA Codes of RecreationServiceType (RST) table.
635
636                     <PropertyLocationPref PropertyLocationType="8" />
637                     <PropertyLocationPref PropertyLocationType="10" />
638
639 <!-- PropertyLocationType holds OTA Codes of LocationCategoryCodes (LOC) table. -->
640
641                 </HotelPref>
642                 <VehicleRentalPref>
643                     <SpecialEquipPref EquipType="28" />
644                     <SpecialEquipPref EquipType="35" />
645
646 <!-- EquipType holds OTA Codes of Equipment Type (EQP) from OtherOTACodes table. -->
647
648                 </VehicleRentalPref>
649                 <AirlinePref>
650                     <FareRestrictPref FareRestriction="1" />
651
652 <!-- FareRestriction holds OTA Codes of Fare Restriction (FAR) from OtherOTACodes table.
653 -->
654                     <TicketDistribPref DistribType="1" />
655
656 <!-- DistribType holds OTA Codes of Distribution Type (DTB) from OtherOTACodes table.-->
657
658                 </AirlinePref>
659
660 <!-- Removal: Removal of RecreationSrvcPref by <RecreationSrvcPref/> ,
661 PropertyLocationPref by <PropertyLocationType/>, SpecialEquipPref by <EquipType/>
662 and FareRestrictPref by <FareRestriction/> under their xml structures.-->
663
664             </PrefCollection>
665         </PrefCollections>
666     </Profile>
667 </Profiles>
668 </Viewership>
669 </Viewerships>
670 <AreaInfo>
671     <RefPoints>
672         <RefPoint Direction="south" Distance="10.50" UnitOfMeasureCode="2"
673             RefPointName="Corporation" Name="cultuzz"
674             RefPointCategoryCode="11" Code="Cltz" ExistsCode="1" />
675
676 <!-- The attribute 'UnitOfMeasureCode' specifies distance in kilometers from OTA-UOM
677 code table and 'RefPointCategoryCode' is assigned from OTA-REF table.The attri-

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678     bute 'ExistsCode' values '1' for 'Yes' and '0' for 'No'.
679     Removal: Removal of RefPoints by <RefPoint/>
680
681     The attribute "Distance" allows Decimal values, up-to two digits. -->
682
683     <RefPoint RefPointCategoryCode="11" />
684     <RefPoint RefPointCategoryCode="12" />
685
686     <!-- RefPointCategoryCode holds OTACodes of ReferencePointCategoryCode (REF) table.-->
687
688     </RefPoints>
689     <Attractions>
690     <Attraction AttractionCategoryCode="56" />
691     <Attraction AttractionCategoryCode="73" />
692
693     <!-- AttractionCategoryCode holds OTA Codes of AttractionCategoryCode (ACC) table.
694     Removal: Removal of Attractions by <Attraction/> -->
695
696     </Attractions>
697     <Recreations>
698     <Recreation>
699     <RecreationDetails>
700     <RecreationDetail Code="16" />
701     <RecreationDetail Code="21" />
702
703     <!-- Code holds OTA Codes of RecreationSrvcdetailCode (REC) table.
704     Removal: Removal of Recreations by <RecreationDetail/> -->
705
706     </RecreationDetails>
707     </Recreation>
708     </Recreations>
709     </AreaInfo>
710     <TPA_Extensions>
711
712     <!-- 'EcommerceInfo' specifies official details about the company like groups, etc. -->
713
714     <EcommerceInfo ID="QWATU12" Name="TiscoverName" Remove="False">
715     <Authroity Name="TiscoverName"/>
716     <GroupsInfo>
717     <Group Code="Case" CodeDetail="TiscoverCase"/>
718     <Group Code="Occupational" CodeDetail="TiscoverCase"/>
719
720     <!-- Here, 'Case' and 'Occupational' are fixed contexts with the given values under
721     'CodeDetail'. -->
722
723     </GroupsInfo>
724     <CompanyName Code="FN 74973-f"><![CDATA[CompanyNameType]]></CompanyName>
725     </EcommerceInfo>
726     <PaymentTypes>
727
728     <!-- By using PaymentTypes, the accommodation provider can specify which kind of payments
729     are allowed. -->
730
731     <PaymentType Code="1" CodeDetail="ATM_Card_Maestro"/>
732     <PaymentType Code="2" CodeDetail="Cash"/>
733     <PaymentType Code="3" CodeDetail="Cheque"/>
734     <PaymentType Code="4" CodeDetail="QuichCard"/>
735     <PaymentType Code="5" CodeDetail="Transfter"/>
736     <PaymentType Code="6" CodeDetail="Travellers_Cheque"/>
737     </PaymentTypes>
738     </TPA_Extensions>
739     </HotelDescriptiveContent>
740     </HotelDescriptiveContents>
741     </OTA_HotelDescriptiveContentNotifRQ>

```

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5.1.2 Response Message (OTA_HotelDescriptiveContentNotifRS)

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
3   Target="Production" TimeStamp="2011-08-01T09:56:01"
4   TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
5   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6   <Success/>
7   <TPA_Extensions>
8     <ResponseTime ProcessTime="2.453" RequestStartTime="2011-08-01 09:40:01.213"
9       ProcessTimeUnit="Seconds" ResponseEndTime="2011-08-01 09:56:03.666"/>
10
11   <!-- While setting the GuaranteeAllotment, Incase of insufficient availability, along
12     with an error message the following will be displayed in the response.
13
14     <Policies>
15       <Policy Code="3" CodeDetail="RequiredAvailability" Start="2012-12-02" End="2012-12-03"/>
16       <Policy Code="3" CodeDetail="RequiredAvailability" Start="2012-12-06" End="2012-12-06"/>
17     </Policies>
18
19     The above indicates, required availability is failed to set for the requested
20     channel for the duration specified under 'Start' and 'End' attributes. 'Code'
21     indicates required availability to set the failed GuaranteeAllotment. -->
22
23   </TPA_Extensions>
24 </OTA_HotelDescriptiveContentNotifRS>
```

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Back to OTA-Messages : [Master Data update \(OTA_HotelDescriptiveContentNotifRQ/RS\)](#)

5.2 OTA_HotelDescriptiveInfoRQ/RS

5.2.1 Request Message (OTA_HotelDescriptiveInfoRQ)

This request should be requested for not more than 30 objects per request.

```
1 <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05"
2   TimeStamp="2011-07-05T09:56:01" Target="Production"
3   Version="3.30"
4   PrimaryLangID="en">
5   <POS>...</POS>
6   <HotelDescriptiveInfos>
7     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
8
9     <!-- The specific HotelID for which the descriptive info is to be requested, needs to
10        be specified with the attribute 'AccommodationCode'. For a detailed accommodation
11        information, each of the following elements may be used but not mandatory. -->
12
13     <HotelInfo SendData="1" />
14
15     <!-- If attribute 'SendData' holds "true" or "1" for the element 'HotelInfo', then
16        the response contains the accommodation info like descriptions, category codes,
17        position etc.-->
18
19     <FacilityInfo SendGuestRooms="1" />
20
21     <!-- If attribute 'SendGuestRooms' holds "true" or "1" for the element 'FacilityInfo',
22        then the response contains the detailed information about guest rooms that are
23        available for the particular accommodation.-->
24
25     <AreaInfo SendRecreations="1" SendRefPoints="1"/>
26     <AffiliationInfo SendAwards="1" SendDistribSystems="1" />
27
28     <!-- If attribute "SendAwards" holds "true" or "1" for the element 'AffiliationInfo',
29        then the response gives the information about the awards of the accommodation.
30        Irrespective of the presence of any attribute, the presence of element 'Affili-
31        ationInfo' makes the response contain the information about accommodation's
32        DistribSystem. -->
33
34     <ContactInfo SendData="1"/>
35
36     <!-- If attribute 'SendData' holds "true" or "1" for element 'ContactInfo', then
37        the response contains the registered communication/contact information. -->
38
39     <Policies SendPolicies="1" />
40     <ContentInfos>
41       <ContentInfo Name="GDS_Info" />
42       <ContentInfo Name="BankData" />
43
44     <!-- To get the Object's complete bank information and GDS information the above xml
45        fragment is used. -->
46
47     </ContentInfos>
48   </HotelDescriptiveInfo>
49 </HotelDescriptiveInfos>
50 </OTA_HotelDescriptiveInfoRQ>
```

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5.2.2 Response Message (OTA_HotelDescriptiveInfoRS)

```
1 <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"
2   TimeStamp="2011-07-05T10:08:34"
3   TransactionIdentifier="880cde19-75db-4734-b7e7-f77147068fed-1272349723"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Success/>
6   <HotelDescriptiveContents>
7     <HotelDescriptiveContent BrandName="CULTUZZ"
8       ChainName="CultSwitch" CurrencyCode="EUR" HotelCode="12400"
9       HotelName="Cultuzz" LanguageCode="en">
10     <HotelInfo InterfaceCompliance="CultDesk"
11       PMSSystem="CultDesk" Start="2011-07-05" TaxID="HU67502BYYUGG">
12
13     <!-- The 'PMSSystem' attribute of 'HotelInfo' element describes which PMS system is
14        being used to manage the static and dynamic data of this accommodation. -->
15
16     <HotelName><![CDATA[Cultuzz]]></HotelName>
17     <OwnershipManagementInfos>
18       <OwnershipManagementInfo>
19         <CompanyName Code="8888ssss" CodeContext="CommercialRegisterNumber"/>
20
21     <!-- 'OwnershipManagementInfo' pushes information like registration number and
```

```

22     commercial registration number related to accommodation. -->
23
24     </OwnershipManagementInfo>
25     <OwnershipManagementInfo>
26         <CompanyName Code="8s" CodeContext="RegisterNumber"/>
27     </OwnershipManagementInfo>
28     <OwnershipManagementInfo>
29         <CompanyName Code="fdg5659" CodeContext="LegalRepresentative"/>
30     </OwnershipManagementInfo>
31 </OwnershipManagementInfos>
32 <CategoryCodes>
33     <GuestRoomInfo Code="230" Quantity="200"/>
34     <GuestRoomInfo Code="231" Quantity="0"/>
35     <LocationCategory Code="1" CodeDetail="VTZ"/>
36     <SegmentCategory Code="4"/>
37     <HotelCategory Code="4" />
38 </CategoryCodes>
39 <Descriptions>
40     <Description ContentCode="11" Name="txt:Location">
41         <Text Language="en"><![CDATA[Landmark for the hotel is Reliance
42             Departmental Store]]></Text>
43     </Description>
44     <Description ContentCode="7" Name="txt:description_long">
45         <Text Language="de" Formatted="false"><![CDATA[A multi-national hotel
46             providing all the types of facilities including Sea view ]]></Text>
47     </Description>
48     <Description ContentCode="12" Name="txt:Directions">
49         <Text Language="en"><![CDATA[Hotel situated at 10kms north from
50             the city main road]]></Text>
51     </Description>
52     <Description ContentCode="8" Name="txt:description_short">
53         <Text Language="en"><![CDATA[CultSwitchDocHotel is a hotel]]>
54         </Text>
55     </Description>
56     <Description ContentCode="10" Name="txt:Liability">
57         <Text Language="en"><![CDATA[Taxes will be included at the time
58             of billing]]></Text>
59     </Description>
60     <Description ContentCode="13" Name="txt:Insider_Tips">
61         <Text Language="en"><![CDATA[Donot spoil hotel related furnitu-
62             re and things]]></Text>
63     </Description>
64     <Description Name="url:CultBooking">
65         <URL><![CDATA[https://aquilae.cultuzz.de/cultbooking/index.php?
66             hotel_id=11614-12400-b0ae3]]></URL>
67     </Description>
68     <Description Name="url:CultBookingAGB">
69         <URL><![CDATA[https://albatros.cultuzz.de/service/dateiwerwal-
70             tung/upload/download.php?dateien_id=11725]]></URL>
71     </Description>
72     <Description CreatorID="CultDesk"
73         Description="CultDesk" Name="data:PMS/CRS_Software" RecordID="29">
74
75     <!-- For detailed explanation of each of the following elements and attributes,
76          (if description is not present), please take a look at the XML description of
77          OTA_HotelDescriptiveContentNotifRQ message. Most of the elements found in this
78          message are explained there. -->
79
80     <!-- For a detailed description of values used under 'Name' attribute of 'Description'
81          elements, please refer to CultSwitch Name-Attributes.-->
82
83     <Text><![CDATA[CultDesk]]></Text>
84
85     <!-- The PMS software registered to be used with this accommodation is specified
86          under the attribute 'CreatorID' and the 'Text' element specifies the software
87          name. -->
88
89     </Description>
90     <Description ContentCode="1" Name="img:approach_map">
91         <Text Language="en"><![CDATA[http://extweb.cultuzz.de/bv/12400/
92             img_169570.jpg]]></Text>
93     </Description>
94     <Description ContentCode="4" Name="img:company_logo">
95         <Text Language="en"><![CDATA[http://extweb.cultuzz.de/bv/12400/
96             img_169568.jpg]]></Text>
97     </Description>
98     <Description Name="txt:HotelName" RecordID="1761">
99         <Text Language="ab"><![CDATA[Hotel name in AB Language]]></Text>
100    </Description>
101    <Description Name="txt:HotelName" RecordID="1873">
102        <Text Language="de"><![CDATA[Hotel name in German lang]]></Text>
103    </Description>
104    <Description Name="txt:HotelName" RecordID="2911">
105        <Text Language="de"><![CDATA[Hotel name in German lang]]></Text>
106
107 </Description>
108 <Description ContentTitle="image"

```

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```

109         CreateDateTime="2011-06-21T11:00:00"
110         LastModifyDateTime="2011-07-05T09:54:40"
111         Name="singleroomtype" RecordID="9012">
112         <URL><![CDATA[http://extweb.cultuzz.de/bv/122/img81129.jpg]]></URL>
113
114     <!-- On successful creation of an accommodation, a booking engine is created automatically
115     which can be used by the hotelier to allow the guests to book rooms in their
116     accommodation directly from this website. The URL for the booking engine, specific for
117     this accommodation, is given within the element 'Description' and its attribute 'Name'
118     with value "url:CultBooking". This URL is unique and differs from accommodation to
119     accommodation. Please take a look at: http://www.cultuzz.com/cultbooking for
120     further information about CultBooking. -->
121
122     </Description>
123     <Description ContentTitle="image"
124         CreateDateTime="2011-06-21T11:00:00"
125         LastModifyDateTime="2011-07-05T09:56:11"
126         Name="singleroomtype" RecordID="9014">
127         <URL><![CDATA[http://extweb.cultuzz.de/bv/122/img81129.jpg]]></URL>
128     </Description>
129     <Description Name="txt:description_long" Language="de"
130         ContentTitle="HomePage:Text" RecordID="4875"
131         ContentCaption="Season2" ParagraphNumber="1">
132         <Text Language="de"><![CDATA[Description about HomePage]]></Text>
133     </Description>
134     <Description Name="txt:description_long"
135         ContentTitle="Gallery:Text" Language="de"
136         ContentCaption="At3" ParagraphNumber="1" RecordID="4876">
137         <Text Language="de"><![CDATA[Description about Gallery]]></Text>
138     </Description>
139     <Description Name="txt:description_long" Language="de"
140         ContentTitle="HomePage:Text" ContentCaption="SeasonAr5"
141         ParagraphNumber="3" RecordID="4877">
142         <Text Language="de"><![CDATA[A multi-national hotel providing all the types of
143         facilities]]></Text>
144     </Description>
145     <Description Name="txt:description_short"
146         ContentTitle="HomePage:Link" ContentCaption="84"
147         ParagraphNumber="4" RecordID="4878">
148         <URL><![CDATA[/www.comic.com/images/]]></URL>
149     </Description>
150     <Description Name="txt:description_short"
151         ContentTitle="HomePage:Picture" ContentCaption="58"
152         ParagraphNumber="2" Removal="True" RecordID="4875">
153     <Image><![CDATA[/www.fg.com/92.png]]></Image>
154     </Description>
155
156     <Description CodeDetail="12" ContentCode="6" ContentData="Display"/>
157
158     <!-- The value for attribute 'ContentCode' conforms to the OTA CodeList CTT, with
159     the value of "6" it specifies a "Map", and the attribute 'ContentData' having
160     value "display" specifies that the accommodation's map can be displayed and the
161     attribute 'CodeDetail' with value "12" specifies the Zoom Level of the Map. -->
162
163     <Description CodeDetail="200" ContentData="MinCapacity"/>
164     <Description CodeDetail="250" ContentData="MaxCapacity"/>
165     <Description CodeDetail="25" ContentData="MaxRoomSize"/>
166     <Description InfoCode="8" />
167
168     <!-- InfoCode holds otaCodes of Information Type (INF) of OtherOTACodes table. -->
169
170     </Descriptions>
171     <Position Latitude="88.01212120" Longitude="120.00121000"/>
172     <Services>
173         <Service Code="5"/>
174         <Service>
175             <Description ContentData="offline" Name="BookingService"/>
176
177             <!-- 1) BookingService can be online/offline depending upon the value held by the
178             attribute ContentData.BookingService can Activate/Deactivate (online/offline)
179             the Object from a Present-Date to Timely-Unlimited -->
180
181         </Service>
182
183         <!-- OR -->
184         <!-- 2) BookingService can Activate/Deactivate (online/offline) the Object from
185         a Future-Date to some other Future-Date-->
186
187         <Service>
188             <Description ContentData="online" Name="BookingService"/>
189             <OperationSchedules>
190                 <OperationSchedule Start="2013-10-02" End="2013-10-20" />
191             </OperationSchedules>
192         </Service>
193
194         <!-- OR -->
195         <!-- 3) BookingService can Activate/Deactivate (online/offline) the Object from

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```

196 a Future-Date to Timely-Unlimited-->
197
198 <Service>
199 <Description ContentData="online" Name="BookingService"/>
200 <OperationSchedules>
201 <OperationSchedule Start="2013-10-02"/>
202 </OperationSchedules>
203 </Service>
204
205 <!-- OR -->
206 <!-- 4) BookingService can Activate/Deactivate (online/offline) the Object from
207 the Present-Date to some other Future-Date-->
208
209 <Service>
210 <Description ContentData="online" Name="BookingService"/>
211 <OperationSchedules>
212 <OperationSchedule End="2013-09-20"/>
213 </OperationSchedules>
214 </Service>
215 <Service >
216 <Description PictureCategoryCode="10" />
217
218 <!-- PictureCategoryCode holds otaCodes of PictureCategoryCode (PIC) from
219 OtherOTACodes table. -->
220
221 </Service>
222 <Service>
223 <Contact>
224 <Names>
225 <Name SrvcCode="11" />
226
227 <!-- SrvcCode holds otaCodes of Contact Srvc Code (CSC) from OtherOTACodes table. -->
228
229 </Names>
230 </Contact>
231 </Service>
232 </Services>
233 <RelativePositions>
234 <RelativePosition>
235 <Transportations>
236 <Transportation TransportationCode="4" />
237 <Transportation TransportationCode="17" />
238
239 <!-- TransportationCode holds otaCodes of Transportation Code (TRP) from OtherOTACodes
240 table. -->
241
242 </Transportations>
243 </RelativePosition>
244 <RelativePosition IndexPointCode="3" />
245 <RelativePosition IndexPointCode="6" />
246
247 <!-- IndexPointCode holds otaCodes of IndexPointCode (IPC) table. -->
248
249 </RelativePositions>
250 <CategoryCodes>
251 <HotelCategory Code="18" />
252 <HotelCategory Code="19" />
253
254 <!-- Code holds otaCodes of PropertyClassType (PCT) table. -->
255
256 </CategoryCodes>
257 </HotelInfo>
258 <FacilityInfo LastUpdated="2011-07-05T09:54:34">
259 <Restaurants>
260 <Restaurant>
261 <InfoCodes>
262 <InfoCode Code="7" />
263
264 <!-- Code holds otaCodes of Restaurant Category Code (RES) from OtherOTACodes table.-->
265 </InfoCodes>
266 <SrvcInfoCodes>
267 <SrvcInfoCode Code="9" />
268 <SrvcInfoCode Code="14" />
269
270 <!-- Code holds otaCodes of Restaurant Srvc Info (RSI) of OtherOTACodes table. -->
271
272 </SrvcInfoCodes>
273 <CuisineCodes>
274 <CuisineCode Code="57" />
275 <CuisineCode Code="1001" />
276
277 <!-- Code holds otaCodes of MainCuisineCode (CUI) table. -->
278
279 </CuisineCodes>
280 </Restaurant>
281 </Restaurants>
282 <MeetingRooms>

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283     <MeetingRoom>
284     <Codes>
285         <Code Code="18" />
286         <Code Code="119" />
287
288     <!-- Code holds otaCodes of MeetingRoomCode (MRC) table. -->
289
290     </Codes>
291 </MeetingRoom>
292 </MeetingRooms>
293 </FacilityInfo>
294 <Policies>
295     <Policy>
296         <PolicyInfo CheckInTime="10:30:00" CheckOutTime="20:30:00" >
297             <Description name ="Reception Timings"/>
298         </PolicyInfo>
299     </Policy>
300     <Policy>
301         <StayRequirements>
302             <StayRequirement MaxLOS="666" MinLOS="2">
303                 <Description Name="27236"/>
304             </StayRequirements>
305
306     <!-- The <StayRequirement> now carry attributes MaxLOS and MinLOS (if specified in
307          master data) indicates the Maximum and Minimum length of stay required for
308          the particular room. The RoomID is identified by the <Description> element
309          with its 'Name' attribute. The example shows that for Room ID: 27236, the
310          MinLOS is 2 and MaxLOS is 666. -->
311
312     </Policy>
313     <Policy>
314         <GuaranteePaymentPolicy>
315             <GuaranteePayment>
316                 <AcceptedPayments>
317                     <AcceptedPayment>
318                         <PaymentCard CardCode="VI" CardType="1"/>
319
320     <!-- The <AcceptedPayment> contains the accepted cards for this accommodation, if
321          specified in master data. The "CardType" value is taken from OTA-CodeTable
322          Card Type "CDT".
323          For example CardType="1" specifies its a Credit Card, 2 specifies Debit Card.
324          The CardCode is as per the supported credit cards table from appendix. -->
325
326             </AcceptedPayment>
327         </AcceptedPayments>
328     </GuaranteePayment>
329 </GuaranteePaymentPolicy>
330 </Policy>
331 <Policy CodeDetail="GuaranteedAllotment_Status">
332     <PolicyInfoCodes>
333         <PolicyInfoCode Code="6484" CodeContext="DistributorID" ExistsCode="1"/>
334
335     <!-- Here the attribute ExistsCode="1" indicates Active and ExistsCode="2"
336          indicates Deactive. -->
337
338     </PolicyInfoCodes>
339 </Policy>
340 <Policy Start="2010-10-20" End="2010-10-21" Code="27236"
341     CodeDetail="GuaranteedAllotment_RoomTypeCode" Duration="P2D">
342     <PolicyInfoCodes>
343         <PolicyInfoCode CodeContext="DistributorID" Code="6484" Quantity="3"/>
344     </PolicyInfoCodes>
345
346     <!-- The 'Policy' element with attribute 'CodeDetail' containing value
347          "GuaranteedAllotment_RoomTypeCode" specifies that this element describes about
348          the Guaranteed Allotment. The value within the attribute 'Code' explains for
349          which RoomTypeCode this Guaranteed Allotment applies to. The attributes 'Start'
350          and 'End' specifies the period of validity of this Guaranteed Allotment and the
351          the attribute 'Duration' specifies the value of Release Time.
352          The value of Duration needs to be as per the rules specified at
353          http://www.w3.org/TR/xmlschema-2/#duration. For example, P1M2D specifies
354          1 month + 2 days. -->
355
356     <!-- The element 'PolicyInfoCodes' contains a list of several channels for which
357          this Guaranteed Allotment applies to, each channel identified within its own
358          'PolicyInfoCode' element. The attribute 'CodeContext' with value "ChannelID"
359          specifies that the value within the attribute 'Code' is a Channel ID to which
360          this Guaranteed Allotment applies to. Where as the Guaranteed Allotment value
361          is specified within the attribute 'Quantity'. -->
362
363     </Policy>
364 </Policy>
365 <PetsPolicies>
366     <PetsPolicy PetsPolicyCode="1001" />
367     <PetsPolicy PetsPolicyCode="1002" />
368
369 <!-- PetsPolicyCode holds otaCodes of PetsPolicyCode (PET) table. -->

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```

370
371     <PetsPolicies>
372 </Policy>
373     <Policy CodeDetail = "AvailabilitySplitting">
374     <PolicyInfoCodes>
375         <PolicyInfoCode CodeContext="DistributorID" Code="14638" ExistsCode="1"/>
376         <PolicyInfoCode CodeContext="DistributorID" Code="6484" ExistsCode="2"/>
377     </PolicyInfoCodes>
378     </Policy>
379 </Policies>
380 <AreaInfo>
381     <RefPoints>
382         <RefPoint Direction="south" Distance="10.50" UnitOfMeasureCode="2"
383             RefPointName="Corporation" Name="cultuzz"
384             RefPointCategoryCode="11" Code="Cltz" ExistsCode="1" />
385
386 <!-- The attribute 'UnitOfMeasureCode' specifies distance in kilometers from OTA-UOM
387 code table and the attribute 'RefPointCategoryCode' is assigned from OTA-REF
388 table. The attribute 'ExistsCode' values '1' for 'Yes' and '0' for 'No'.
389
390 The attribute "Distance" allows Decimal values, up-to two digits. -->
391
392         <RefPoint RefPointCategoryCode="11" />
393         <RefPoint RefPointCategoryCode="12" />
394
395 <!-- RefPointCategoryCode holds otaCodes of ReferencePointCategoryCode (REF) table.
396 -->
397     </RefPoints>
398     <Attractions>
399         <Attraction AttractionCategoryCode="56" />
400         <Attraction AttractionCategoryCode="73" />
401
402 <!-- AttractionCategoryCode holds otaCodes of AttractionCategoryCode (ACC) table. -->
403
404     </Attractions>
405     <Recreations>
406         <Recreation>
407             <RecreationDetails>
408                 <RecreationDetail Code="16" />
409                 <RecreationDetail Code="21" />
410
411 <!-- Code holds otaCodes of RecreationSrvcdetailCode (REC) table. -->
412
413             </RecreationDetails>
414         </Recreation>
415     </Recreations>
416     </AreaInfo>
417     <AffiliationInfo LastUpdated="2011-07-04T10:08:34">
418         <Awards>
419             <Award Date="2010-12-20" Provider="Hotelstars Union"
420                 Rating="9" RatingSymbol="Diamond"/>
421
422 <!-- The above XML fragment specifies that this accommodation is given a rating of
423 "9 Diamonds" by "Hotelstars Union" on "Dec 20th 2010". -->
424
425             <Award Date="2010-12-20" Provider="Green Leaf" Rating="3:Green"/>
426
427 <!-- The above XML fragment specifies that this accommodation is given a rating of
428 "3 Greens" by "Green Leaf" on "Dec 20th 2010". -->
429
430             <Award Rating="5"/>
431
432 <!-- The 'Award' element specifies the rating of the accommodation. Here it is 5-Stars. -->
433
434 <!-- For more details about how these ratings are pushed to CultSwitch,
435 click Award Descriptions. -->
436
437         </Awards>
438     </AffiliationInfo>
439     <ContactInfos>
440         <ContactInfo LastUpdated="2011-07-05T09:56:01">
441             <Addresses>
442                 <Address FormattedInd="false" UseType="7">
443                     <StreetNmbr><![CDATA[3rd Lane]]></StreetNmbr>
444                     <BldgRoom><![CDATA[Dwarakanagar]]></BldgRoom>
445                     <AddressLine><![CDATA[9-9-106/8]]></AddressLine>
446
447 <!-- Here "StreetNmbr" holds first-street, "BldgRoom" holds second-street
448 and "AddressLine" holds street-number -->
449
450                     <CityName><![CDATA[Visakhapatnam]]></CityName>
451                     <PostalCode><![CDATA[530016]]></PostalCode>
452                     <StateProv StateCode="5"><![CDATA[Bremen]]></StateProv>
453                     <CountryName Code="IN"><![CDATA[India]]></CountryName>
454                 </Address>
455             </Addresses>
456             <Phones>

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457         <Phone PhoneNumber="+49 (30) 726225-0" PhoneTechType="1"/>
458         <Phone PhoneNumber="+49 (30) 726225-59" PhoneTechType="3"/>
459     </Phones>
460     <Emails>
461         <Email><![CDATA[cultswitch-support@cultuzz.com]]></Email>
462         <Email DefaultInd="false" EmailType="3">
463             cultuzz_alternate@cultuzz.com</Email>
464     </Emails>
465     <URLs>
466         <URL><![CDATA[www.cultuzz.com]]></URL>
467     </URLs>
468     <CompanyName Code="CultuzzDep" CodeContext="Department"
469         CompanyShortName="CultShortName">Cultuzz_India</CompanyName>
470 </ContactInfo>
471 <ContactInfo>
472     <Addresses>
473         <Address RPH="en" UseType="3">
474             <StreetNmbr><![CDATA[Dwaraka Nagar 3rd Lane]]></StreetNmbr>
475             <AddressLine><![CDATA[Cultuzz]]></AddressLine>
476             <AddressLine><![CDATA[No. 47-9-14]]></AddressLine>
477             <CityName><![CDATA[Visakhapatnam]]></CityName>
478             <PostalCode><![CDATA[530016]]></PostalCode>
479             <StateProv><![CDATA[Andhrapradesh]]></StateProv>
480         </Address>
481     </Addresses>
482     <Emails>
483         <Email><![CDATA[cultswitch-support@cultuzz.com]]></Email>
484     </Emails>
485     <URLs>
486         <URL><![CDATA[www.cultuzz.com]]></URL>
487     </URLs>
488 </ContactInfo>
489 <ContactInfo ContactProfileID="1" ContactProfileType="3"
490     LastUpdated="2011-07-05T09:56:01">
491 <!-- ContactProfileType holds otaCodes of RelationshipCodes (REL) table. -->
492 <!-- Following is the address of Business Contact person. -->
493
494     <Names>
495     <Name CodeDetail="en" Gender="Male">
496         <NameTitle><![CDATA[Mr. ]]></NameTitle>
497         <GivenName><![CDATA[TestGivenMNameForUpdate]]></GivenName>
498         <Surname><![CDATA[TestsurNameforUpdate]]></Surname>
499         <JobTitle Type="corporate"><![CDATA[TestJobForUpdate]]></JobTitle>
500         <MiddleName><![CDATA[TestMiddleNameForUpdate]]></MiddleName>
501     </Name>
502     </Names>
503     <Phones>
504         <Phone Extension="10" PhoneNumber="7569317626" PhoneTechType="3"/>
505         <Phone Extension="7" PhoneNumber="9175617626" PhoneTechType="7"/>
506     </Phones>
507     <Emails>
508         <Email EmailType="3"><![CDATA[cultdoc@gamil.com]]></Email>
509         <Email EmailType="4"><![CDATA[cultdocument@cultuzz.com]]></Email>
510     </Emails>
511     <URLs>
512         <URL Type="bussiness"><![CDATA[www.cultuzz.com/cultswitch]]></URL>
513         <URL Type="bussiness"><![CDATA[www.cultuzz.com/cultdesk]]></URL>
514     </URLs>
515 </ContactInfo>
516 </ContactInfos>
517 <Viewerships>
518     <Viewership>
519         <Profiles>
520             <Profile>
521                 <CompanyInfo>
522                     <PaymentForm>
523                         <BankAcct AcctType="Savings"
524                             BankAcctNumber="11034587298" BankID="11102">
525                             <BankAcctName><![CDATA[Cultuzz]]></BankAcctName>
526                         </BankAcct>
527                     </PaymentForm>
528                     <CompanyName Code="1012" CodeContext="SWIFT"/>
529                 </CompanyInfo>
530             </Profile>
531         </Profiles>
532     </Viewership>
533     <Viewership>
534         <Profiles>
535             <Profile>
536                 <PrefCollections>
537                     <PrefCollection>
538                         <HotelPref>
539                             <RecreationSrvcPref RecreationSrvcType="61" />
540                             <RecreationSrvcPref RecreationSrvcType="62" />
541                         </HotelPref>
542                     </PrefCollection>
543 <!-- RecreationSrvcType holds otaCodes of RecreationServiceType (RST) table. -->

```

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```

544                                     <PropertyLocationPref PropertyLocationType="8" />
545                                     <PropertyLocationPref PropertyLocationType="10" />
546
547 <!-- PropertyLocationType holds otaCodes of LocationCategoryCodes (LOC) table. -->
548
549                                     </HotelPref>
550                                     <VehicleRentalPref>
551                                     <SpecialEquipPref EquipType="28" />
552                                     <SpecialEquipPref EquipType="35" />
553
554 <!-- EquipType holds otaCodes of Equipment Type (EQP) of OtherOTACodes table. -->
555
556                                     </VehicleRentalPref>
557                                     <AirlinePref>
558                                     <FareRestrictPref FareRestriction="1" />
559
560 <!-- FareRestriction holds otaCodes of Fare Restriction (FAR) of OtherOTACodes table. -->
561
562                                     <TicketDistribPref DistribType="1" />
563
564 <!-- DistribType holds otaCodes of Distribution Type (DTB) of OtherOTACodes table.-->
565
566                                     </AirlinePref>
567                                     </PrefCollection>
568                                     </PrefCollections>
569                                     </Profile>
570                                     </Profiles>
571                                     </Viewership>
572                                     </Viewerships>
573                                     <GDS_Info>
574                                     <GDS_Codes>
575                                     <GDS_Code GDS_Name="Jacob" GDS_PropertyCode="29221"/>
576                                     <GDS_Code GDS_Name="Airmiles" GDS_PropertyCode="29222"/>
577                                     </GDS_Codes>
578                                     </GDS_Info>
579                                     <TPA_Extensions>
580                                     <EcommerceInfo ID="QWATU12" Name="TiscoverName" Remove="False">
581                                     <Authroity Name="TiscoverName"/>
582                                     <GroupsInfo>
583                                     <Group Code="Case" CodeDetail="TiscoverCase"/>
584                                     <Group Code="Occupational" CodeDetail="TiscoverCase"/>
585
586 <!-- Here, 'Case' and 'Occupational' are fixed contexts with the given values under 'CodeDetail'. -->
587
588                                     </GroupsInfo>
589                                     <Company Name="FN 74973-f"><![CDATA[CompanyNameType]]></Company Name>
590                                     </EcommerceInfo>
591                                     <PaymentTypes>
592                                     <PaymentType Code="1" CodeDetail="ATM_Card_Maestro" Start="" End=""/>
593                                     <PaymentType Code="2" CodeDetail="Cash" Start="" End=""/>
594                                     <PaymentType Code="3" CodeDetail="Cheque" Start="" End=""/>
595                                     <PaymentType Code="4" CodeDetail="QuichCard" Start="" End=""/>
596                                     <PaymentType Code="5" CodeDetail="Transfter" Start="" End=""/>
597                                     <PaymentType Code="6" CodeDetail="Travellers_Cheque" Start="" End=""/>
598                                     </PamentTypes>
599                                     </TPA_Extensions>
600                                     </HotelDescriptiveContent>
601                                     </HotelDescriptiveContents>
602                                     <TPA_Extensions>
603                                     <ResponseTime ProcessTime="0.108" ProcessTimeUnit="Seconds"
604                                     RequestStartTime="2011-07-05 10:08:33.977"
605                                     ResponseEndTime="2011-07-05 10:08:34.085"/>
606                                     </TPA_Extensions>
607                                     </OTA_HotelDescriptiveInfoRS>
608
609

```

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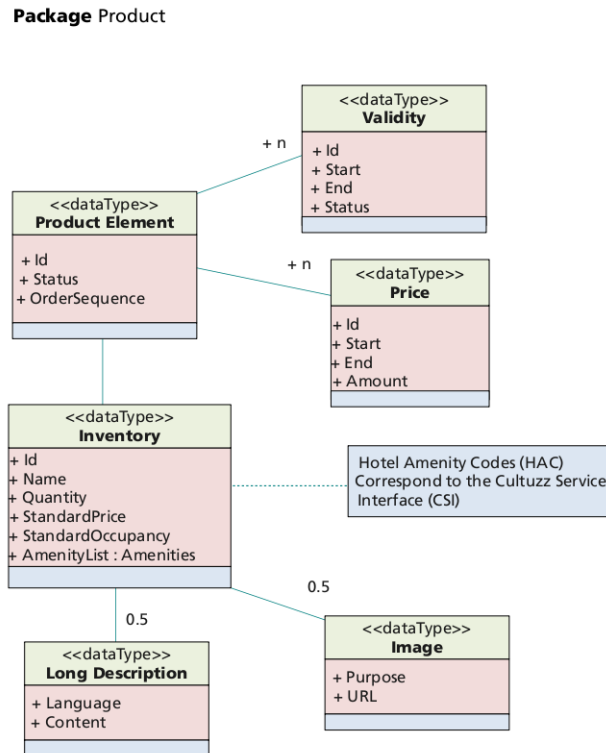
Back to OTA-Messages : [Accommodation Data Request \(OTA_HotelDescriptiveInfoRQ/RS\)](#)

5.3 Rooms Creation/Updation/Deletion (OTA_HotelRatePlanNotifRQ/RS)

With CultSwitch Version 3.3.0, we introduce the concept of product handling. Besides the explanation of the used data model and its mapping to OTA-request-types, the whole life cycle of products and their related elements are described by means of use cases for product elements handling such as creating, manipulating, retrieving, removing, and so on.

5.3.1 Definition of a Product Element

A product element is defined as shown in the following pseudo-UML-diagram:



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Figure 2: Data model of a product element

Product Element mapping with Room A product element mapped with room is defined as shown in the following pseudo-UML-diagram:

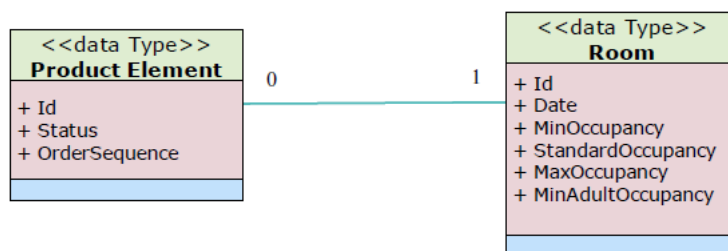


Figure 3: Product Element mapping with Room

Data model of Room

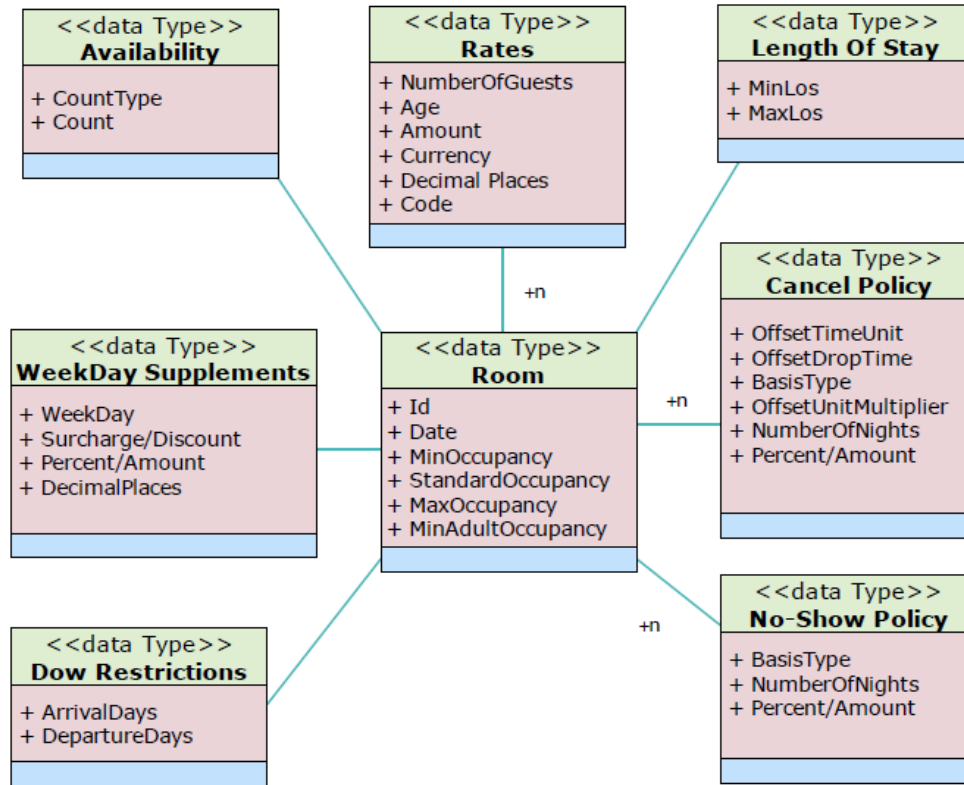


Figure 4: Data model of a Room

Basic Properties

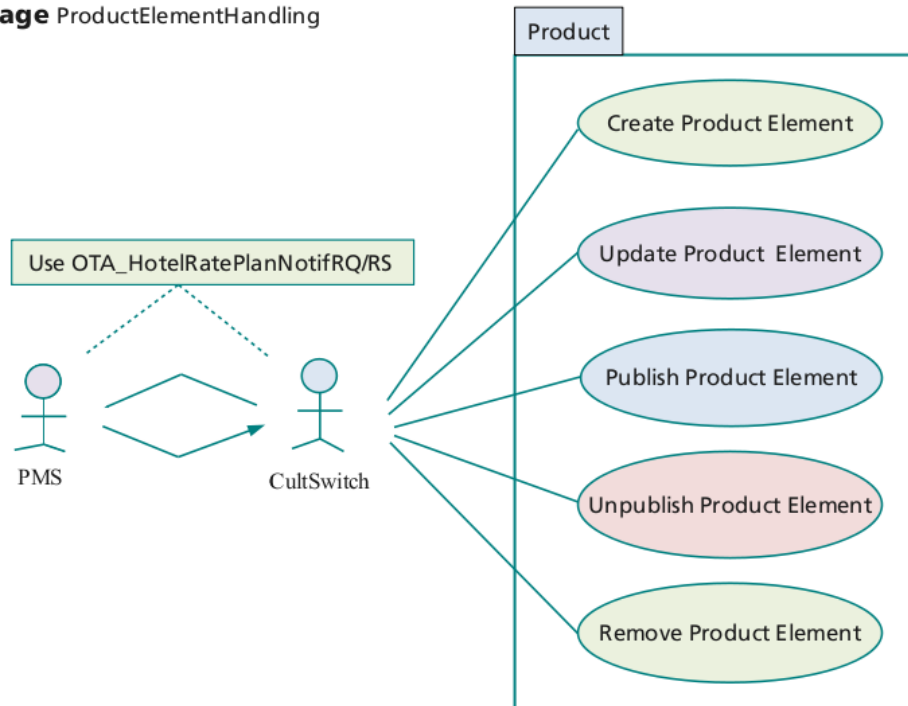
The definition of a product element is delivered in a <SellableProduct>. The <SellableProduct> delivers only the element-status (InvStatusType: Active or Deactivated). The element-ID is shipped in <UniqueID>.

For a detailed description of SellableProduct XML description, please take a look at section [Use Cases for Product Element](#) for both creation and updating of product elements.

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5.3.2 Interface for Product Element Handling

Package ProductElementHandling



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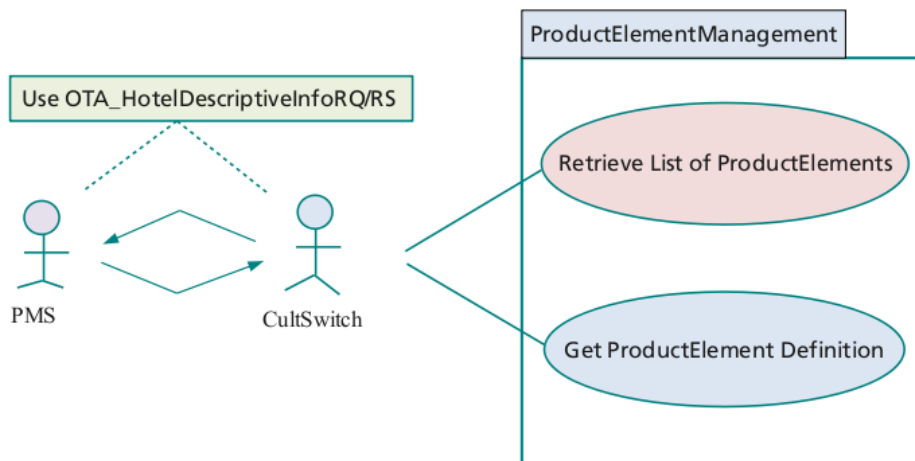


Figure 5: Pseudo UML for product element handling

5.3.3 Use Cases for Product Element

Create a Product element

The initial definition of a product-element comprises atleast the following <Guest-Room><Room> definition, which contains the entire quantity of the determined room type code (see [Additional Detail Codes](#) in the appendix to identify the room type, described in the CultSwitch-manual), the appellation, and the standard price-amount which is defined in the previously selected currency of the accommodation.

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelRatePlanNotifRQ TimeStamp="2012-08-01T11:04:42"
3      Target="Production" Version="3.30" PrimaryLangID="en"
4      xmlns="http://www.opentravel.org/OTA/2003/05">
5      <POS>...</POS>
6      <RatePlan RatePlanType="11">
7          <BookingRules>
8              <BookingRule MinTotalOccupancy="1" MaxTotalOccupancy="2" PriceViewable="false"
9                  QualifiedRateYN="true"/>
10
11      <!-- For attributes MinTotalOccupancy and MaxTotalOccupancy see: MinOccupancy
12          MaxOccupancy.
13          'PriceViewable' specifies whether to consider the price for this NonRoom product
14          element or not. Similarly
15          'QualifiedRateYN' specifies about validity consideration. -->
16
17      </BookingRules>
18      <SellableProducts>
19
20      <!-- CultSwitch allows to create only one 'SellableProduct' per request. -->
21
22      <SellableProduct IsRoom="true" InvNotifType="New" InvTypeCode="3">
23
24      <!-- The 'SellableProduct' element is used to create room based (like guest room) and
25          non-room based (like breakfast) Product elements that can be linked with any
26          product of the same accommodation. -->
27
28      <!-- The attribute 'InvTypeCode' value specifies the type of the element. The value
29          with "3" specifies that it is a guest room. For a complete list of values that
30          are provided with attribute 'InvTypeCode' could be found in the appendix under
31          section InvTypeCode. -->
32
33      <!-- The attribute 'IsRoom' specifies whether this is a room based product element
34          (IsRoom="true") or a non-room based product element (IsRoom="false"). -->
35
36      <!-- The attribute 'InvNotifType' is used to specify whether the request is to create
37          a new product element (InvNotifType="New") or to update or delete an existing
38          product element (InvNotifType="Overlay") explained further below. -->
39
40      <GuestRoom>
41
42      <!-- Though ambiguous, the creation of both room and non-room based product elements
43          need to be specified within a 'GuestRoom' element. -->
44
45      <Description Name="Test Room Product Element">
46
47      <!-- The user-defined name for the element can be specified as the value for attribute
48          'Name' under 'Description' element. The text language for 'Name' value needs to
49          be the default language of an accommodation, specified at the time of accommoda-
50          tion creation. -->
51
52      <ListItem Language="de" ListItem="9">
53          <![CDATA[Test Room Product Element in language XX]]>
54      </ListItem>
55
56      <!-- The element name in other languages can also be defined with 'ListItem' elements
57          with attribute 'ListItem' value of "9" as defined in CultSwitch Name-Attributes. -->
58
59      <ListItem Language="en" ListItem="3">
60          <![CDATA[http://.../image.jpg]]>
61      </ListItem>
62      <ListItem Language="en" ListItem="8">
63          <![CDATA[Small Description about room in GuestRoom]]>
64      </ListItem>
65
66      <!-- Besides the 'Name' of the referenced inventory (room/non-room), 'Description'
67          element can contain a list of two different kinds of items. Each item is defined
68          by element 'ListItem'. The 'Language' attribute must contains the language code
69          as per ISO specification. The attribute 'ListItem' describes the type of content
70          the element carries. The possible values are referred to in the first column of
71          the table CultSwitch Name-Attributes from appendix. -->
```

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```

72
73     </Description>
74     <Room Quantity="44" RoomTypeCode="7" InvBlockCode="DBL-E10" RoomCategory="ST-E10"/>
75
76     <!-- The 'Room' element can be used for both room and non-room product elements. -->
77
78     <!-- If the product element is room based, then the attribute 'RoomTypeCode' is
79     mandatory and the value needs to be taken from the table Additional Detail Codes
80     described in appendix. The Standard Occupancy value is automatically taken by the
81     value specified with attribute 'RoomTypeCode' as per table. -->
82
83     <!-- The attribute 'Quantity' specifies the number of available units of that room
84     as product element. -->
85
86     <!-- InvBlockCode element represents the channel "Room Type" and RoomCategory element
87     represents the channel "Room Characteristic"-->
88
89     <RoomLevelFees>
90         <Fee Amount="566"/>
91
92     <!-- The 'Amount' attribute under element 'Fee' specifies the fixed Standard price
93     for this product element. -->
94
95     </RoomLevelFees>
96     <Amenities>
97         <Amenity AmenityCode="5" ExistsCode="1"/>
98         <Amenity AmenityCode="7" ExistsCode="1"/>
99
100     <!-- The amenities available for this product element could be specified with the
101     'Amenity' elements. For the values for 'AmenityCode' attribute could be taken
102     from OTA-CodeTable Room Amenity Type (RMA). -->
103
104     <!-- The attribute "ExistsCode" defines the amenity type and it can be of 1,2,3,4.
105     1 - RMA (Room Amenity Type) , 2 - RLT (Room Location Type), 3 - RVT (Room View Type),
106     4 - OtherAmenities (Other types) -->
107
108     </Amenities>
109     </GuestRoom>
110     <Description Name="Sellable Product Name">
111         <ListItem Language="de" ListItem="7"><![CDATA[Long Description]]></ListItem>
112
113     <!-- Any further description about the sellable product could be given here while
114     following the rules specified above under GuestRoom. If either GuestRoom
115     description or Sellable product description is not provided, then the same values
116     from the one provided will be used for the other. -->
117
118     </Description>
119     </SellableProduct>
120 </SellableProducts>
121 <Rates>
122     <Rate Start="2011-08-20" End="2012-12-31" Status="Open">
123         <UniqueID ID="new" ID_Context="CltzProductElementValidity" Type="18"/>
124     </Rate>
125     <Rate Start="2011-08-20" End="2012-12-31" Status="Open" >
126         <UniqueID Type="18" ID_Context="CltzProductElementValidity" ID="New"/>
127     <GuaranteePolicies>
128
129     <!-- GuaranteePolicy specifies ProductElement guranteetype for booking.
130     For Gurantee and PaymentPolicy codes, refer table Supported Guarantee Types. -->
131
132         <GuaranteePolicy GuaranteeCode="5" GuaranteeType="Deposit"/>
133     </GuaranteePolicies>
134     <PaymentPolicies>
135
136     <!-- PaymentPolicies specifies a payment type with other additional details like,
137     When the payment should be done and with what amount. For more details refer
138     Product PaymentPolicies. -->
139
140         <GuaranteePayment PaymentCode="6" PaymentType="Prepay" >
141             <AmountPercent Percent="20" />
142             <Deadline OffsetTimeUnit="Year" OffsetUnitMultiplier="6"/>
143             <Description Name="txt:name">
144                 <Text Language="de"> payment policy name </Text>
145             </Description>
146             <Description Name="txt:description_long">
147                 <Text Language="de"> payment policy description</Text>
148             </Description>
149         </GuaranteePayment>
150     </PaymentPolicies>
151 </Rate>
152
153 <!-- The product element's validity could be specified with attribute 'ID_Context'
154 using value "CltzProductElementValdity". Above example states that from 20th
155 Aug 2011 to 31st Dec 2012, during a period of which it is sellable (identified
156 with Status="Open"). The attribute 'ID' specifies the Validity ID for this date
157 range. If it is "New", then a new validity is created. -->
158

```

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```

159     <Rate Start="2011-07-20" End="2012-12-31">
160         <UniqueID ID="new" ID_Context="CltzInventoryPriceTime" Type="18"/>
161         <Fees>
162             <Fee Amount="122.00"/>
163         </Fees>
164
165         <!-- If attribute 'ID_Context' has a value of "CltzInventoryPriceTime", it
166              identifies a price (specified with 'Fee' element), within a specific period of
167              time (specified with attributes 'Start' and 'End') for a particular inventory.
168              CultSwitch allows to define several prices for several periods of time. -->
169
170     </Rate>
171     <Rate>
172         <UniqueID ID="new" ID_Context="CltzInventoryLowestPrice" Type="18" />
173         <Fees>
174             <Fee Amount="122.00" />
175         </Fees>
176     </Rate>
177
178     <!-- @ ID_Context must be 'CltzInventoryLowestPrice'-->
179
180     <!-- The "Lowest possible price" is the price lower price limit on Room level;
181           Whenever there is a price update received from the PMS via XML then the update
182           will be rejected and error response will be sent with the "Lowest possible price"
183           possible to set.-->
184
185     </Rates>
186     <UniqueID ID="STP15077it" ID_Context="PartnersID" Type="18"/>
187
188     <!-- The attribute 'ID' specifies the partner's roomID which maps to this product
189           element. -->
190
191     </RatePlan>
192 </RatePlans>
193 </OTA_HotelRatePlanNotifRQ>

```

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Response

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelRatePlanNotifRS TimeStamp="2013-03-02T14:15:27"
3      TransactionIdentifier="32b56b9a-5c1e-4063-8946-64d87eb36d58-1090289664"
4      Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5      <Warnings/>
6      <Success/>
7      <RatePlanCrossRefs>
8          <RatePlanCrossRef ResponseRatePlanCode="56767"
9                          ResponseRatePlanGroupingCode="CltzProductElementID"/>
10         <RatePlanCrossRef ResponseRatePlanCode="100041"
11                          ResponseRatePlanGroupingCode="CltzProductID"/>
12         <RatePlanCrossRef ResponseRatePlanCode="79557"
13                          ResponseRatePlanGroupingCode="RoomTypeCode"/>
14     </RatePlanCrossRefs>
15     <TPA_Extensions>
16         <ResponseTime ProcessTime="1.372" ProcessTimeUnit="Seconds"
17             RequestStartTime="2013-03-02 14:15:26.028"
18             ResponseEndTime="2013-03-02 14:15:27.400"/>
19     </TPA_Extensions>
20 </OTA_HotelRatePlanNotifRS>

```

Update/Publish/UnPublish/Remove Product Element

<SellableProduct InvNotifType="Overlay"> determines an update process with the attribute ID of <UniqueID>. The CultSwitch expects the identifier of the addressed [product](#) element. Within <GuestRoom><Room>, all attributes which are to be updated, can be defined.

IMPORTANT: Room type code <Room RoomTypeCode="..."> can't be updated, therefore RoomTypeCode should not be sent. The same applies for RoomQuantity.

Removal of the ProductElement is possible by RatePlanNotifType="Remove" under the element <RatePlan> and by specifying the ProductElementID under <SellableProducts>-><SellableProduct>-> <UniqueID> -> ID and InvNotifType must be "Overlay" under <SellableProduct> element.

Publish/UnPublish the ProductElement is possible by InvStatusType="Active/Deactivated".

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelRatePlanNotifRQ TimeStamp="2012-08-01T11:04:42"
3   Target="Production" Version="3.30" PrimaryLangID="en"
4   xmlns="http://www.opentravel.org/OTA/2003/05">
5   <POS>...</POS>
6   <RatePlans>
7     <RatePlan RatePlanType="11">
8
9     <!-- For Update, <RatePlan RatePlanType="11">
10      For Remove, <RatePlan RatePlanType="11" RatePlanNotifType="Remove"> -->
11
12     <Rates>...</Rates>
13     <SellableProducts>
14       <SellableProduct InvNotifType="Overlay" InvTypeCode="7" IsRoom="false"
15         InvStatusType="Active">
16         <UniqueID Type="18" ID_Context="CltzCommonProductElement" ID="54557"/>
17         <GuestRoom>...</GuestRoom>
18         <Description>...</Description>
19       </SellableProduct>
20     </SellableProducts>
21   </RatePlan>
22 </RatePlans>
23 <TPA_Extensions/>
24 </OTA_HotelRatePlanNotifRQ>
```

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Get Definition of Product Element

See full description of OTA_HotelDescriptiveInfoRQ/RS for product management.

```
1 <OTA_HotelDescriptiveInfoRQ ... PrimaryLangID="en">
2   <HotelDescriptiveInfos>
3     <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
4       <ContentInfos>
5         <ContentInfo Name="ProductElement" Code="37474" />
6       </ContentInfos>
7     </HotelDescriptiveInfo>
8   </HotelDescriptiveInfos>
9 </OTA_HotelDescriptiveInfoRQ>
```

You may request for a list of product-elements by specifying a <ContentInfo Name= "ProductElement" Code="xxxx"/> for each product-element. If no specific product-element (Code="xxxx") is requested, all product-elements belonging to the requester (shipped in <POS>) will be returned in the response-message.

Response

The Response contains one <RatePlan RatePlanType="11"> for each product-element in <RatePlans> shipped within the <TPA_Extensions> as described for OTA_HotelRatePlanNotifRQ message. The RatePlan contains one <SellableProducts><SellableProduct> which delivers only the element-state (InvStatusType: Active or Deactivated). The element-ID is shipped in <UniqueID>. Other related information is delivered in <GuestRoom><Room>. The associated room is referenced in RoomID, the pre-defined quantity (Quantity) and the Cultuzz specific room type code (RoomTypeCode). Lastly, the name of the referenced room is defined by the Name - attribute of <Description>.

```
1 <OTA_HotelDescriptiveInfoRS ...>
2   <Success />
3   <HotelDescriptiveContents>
4     <HotelDescriptiveContent>
5       <TPA_Extensions>
```

```

6      <RatePlans>
7          <RatePlan RatePlanType="11">
8              <BookingRules>
9                  <BookingRule MaxTotalOccupancy="2" MinTotalOccupancy="1"
10                     PriceViewable="false" QualifiedRateYN="true">
11                      <UniqueID ID="12400" ID_Context="CltzProductElement" Type="18"/>
12                  </BookingRule>
13              </BookingRules>
14              <Rates>
15                  <Rate End="2011-12-25" InvCode="37474" Start="2011-08-25" Mon="true"
16                     Sat="true" Fri="true" Sun="true" Thur="true" Tue="true" Weds="true">
17                      <UniqueID ID="27236" ID_Context="CltzInventoryPriceTime" Instance="1"
18                         Type="18"/>
19                      <Fees><Fee Amount="30"/></Fees>
20                  </Rate>
21                  <Rate End="2011-12-25" InvCode="37476" Start="2011-11-03" Status="Open">
22                      <GuaranteePolicies>
23                          <GuaranteeType GuaranteeCode="0" GuaranteeType="None"/>
24                      </GuaranteePolicies>
25                      <UniqueID ID="27238" ID_Context="CltzInventoryValidity"
26                         Instance="1" Type="18"/>
27                  </Rate>
28              </Rates>
29              <Rate>
30                  <UniqueID ID="new" ID_Context="CltzInventoryLowestPrice" Type="18" />
31                  <Fees>
32                      <Fee Amount="122.00" />
33                  </Fees>
34              </Rate>
35          <!-- @ ID_Context must be 'CltzInventoryLowestPrice'-->
36          <!-- The "Lowest possible price" is the price lower price limit on Room level;
37               Whenever there is a price update received from the PMS via XML then the update
38               will be rejected and error response will be sent with the "Lowest possible price"
39               possible to set.-->
40
41              </Rates>
42          </Rates>
43          <SellableProducts>
44              <SellableProduct InvCode="37474"
45                 InvStatusType="Active" InvTypeCode="3">
46                  <GuestRoom>
47                      <Quantities MaxOccupancy="4" StandardOccupancy="3"/>
48                      <Room Quantity="4" RoomID="27236" RoomTypeCode="6"/>
49                      <Description Name="My SingleBedRoom">
50                          <ListItem Language="en" ListItem="9"><![CDATA[EN]]></ListItem>
51                          <ListItem Language="fr" ListItem="9"><![CDATA[Fr]]></ListItem>
52                      </Description>
53                      <RoomLevelFees>
54                          <Fee Amount="69"/>
55                      </RoomLevelFees>
56                      <Amenities/>
57                  </GuestRoom>
58                  <UniqueID ID="37474" ID_Context="CltzProductElement" Type="18"/>
59              </SellableProduct>
60              <SellableProduct InvCode="37476"
61                 InvStatusType="Active" InvTypeCode="3">
62                  <GuestRoom>
63                      <Quantities MaxOccupancy="6" StandardOccupancy="3"/>
64                      <Room Quantity="4" RoomID="27238" RoomTypeCode="6"/>
65                      <Description Name="My DoubleBedRoom">
66                          <ListItem Language="en" ListItem="9"><![CDATA[EN]]></ListItem>
67                          <ListItem Language="fr" ListItem="9"><![CDATA[Fr]]></ListItem>
68                      </Description>
69                      <RoomLevelFees>
70                          <Fee Amount="89"/>
71                      </RoomLevelFees>
72                      <Amenities/>
73                  </GuestRoom>
74                  <UniqueID ID="37476" ID_Context="CltzProductElement" Type="18"/>
75              </SellableProduct>
76          </SellableProducts>
77          <Description Name="txt:name">
78              <ListItem Language="de"><![CDATA[Test_Triple]]></ListItem>
79          </Description>
80          <Description Name="txt:description_long"/>
81      </RatePlan>
82      <RatePlan RatePlanType="11">
83          ...
84      </RatePlan>
85      <RatePlan RatePlanType="11">
86          ...
87      </RatePlan>
88  </RatePlans>
89  </TPA_Extensions>
90  </HotelDescriptiveContent>
91  <HotelDescriptiveContents>
92

```

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Get List of Product Elements Request a list of Product elements

```

1  <OTA_HotelDescriptiveInfoRQ [...] PrimaryLangID="en">
2    <HotelDescriptiveInfos>
3      <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
4        <ContentInfos>
5          <ContentInfo Name="ProductElementList"/>
6          <ContentInfo Name="ProductElementList" Code="0"/>
7        <!--
8          'ProductElementList' with Code="0" provides only NonRoom product elements.
9          Ex: Breakfast,HalfBoard,etc. Without the attribute 'Code', provides all
10         product elements (both Room and NonRoom).-->
11      </ContentInfos>
12    </HotelDescriptiveInfo>
13  </OTA_HotelDescriptiveInfoRQ>

```



Response

```

1  <OTA_HotelDescriptiveInfoRS ...>
2    <Success />
3    <HotelDescriptiveContents>
4      <HotelDescriptiveContent>
5        <TPA_Extensions>
6          <RatePlans>
7            <RatePlan RatePlanType="11">
8              <SellableProducts>
9                <SellableProduct InvCode="27236"
10                 InvStatusType="Active" InvTypeCode="3">
11                  <GuestRoom>
12                    <Room Quantity="10" RoomID="27236" RoomTypeCode="7"/>
13                    <Description Name="Single BedRoom"/>
14                  </GuestRoom>
15                  <Description Name="My SingleBedRoom"/>
16                </SellableProduct>
17                <SellableProduct InvCode="27238"
18                 InvStatusType="Active" InvTypeCode="3">
19                  <GuestRoom>
20                    <Room Quantity="15" RoomID="27238" RoomTypeCode="5"/>
21                    <Description Name="Double BedRoom"/>
22                  </GuestRoom>
23                  <Description Name="My Double BedRoom"/>
24                </SellableProduct>
25              </SellableProducts>
26            </RatePlan>
27          </RatePlans>
28        </TPA_Extensions>
29      </HotelDescriptiveContent>
30    </HotelDescriptiveContents>
31  </OTA_HotelDescriptiveInfoRS>

```

The Response contains one <RatePlan> in <RatePlans> shipped within the <TPA_Extensions> as described for OTA_HotelRatePlanNotifRQ message. The RatePlan contains a list of <SellableProducts>. Each <SellableProduct> delivers only the element-ID (InvCode), element-state (InvStatusType: Active or Deactivated), the element category (InvTypeCode) and the name (<Description Name="...">) of the element. The name of the [product](#) element can be different from the name of the [Inventory](#). Inventory related information is delivered in <GuestRoom><Room>. The associated room is referenced in [RoomID](#), the pre-defined quantity (Quantity) and the Cultuzz specific room type code (RoomTypeCode). Lastly, the name of the referenced room is defined by the Name - attribute of <GuestRoom><Description>. <GuestRoom> is optional. This depends on the product element category (<SellableProduct InvTypeCode="...">).

Back to OTA-Messages : [Rooms Handling \(OTA_HotelRatePlanNotifRQ/RS\)](#)

5.4 OTA_ReadRQ/OTA_ResRetrieve

5.4.1 Request Message (OTA_ReadRQ)

Request about booking since last query. This request is of four types: 1) **Accommodation Reservation Read Request** 2) **Global Reservation Read Request** 3) **OTA_ReadRQ by Booking ID** and 4) **OTA_ReadRQ by other search criteria**.

Type 1. Accommodation Reservation Read Request (HotelReadRequest)

If the "Accommodation Reservation" is requested, the response contains all the bookings occurred since the last ReadRequest request sent. For example, if a ReadRequest is sent at 10PM today and after a while, the ReadRequest is sent at 11PM today, then the second response contains all the bookings that have taken place in between 10PM and 11PM.

For a detailed explanation of how these could be achieved, please see the XML fragment below:

cultuzz.

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      TimeStamp="2012-05-11 09:56:42.605" Target="Production" Version="3.30"
4      PrimaryLangID="de" ReservationType="3" ReqRespVersion="3.30">
5
6      <POS>...</POS>
7      <ReadRequests>
8
9      <!-- CultSwitch could be asked for special version for response by setting the
10         attribute ReqRespVersion. -->
11
12      <HotelReadRequest HotelCode="12400" HotelCodeContext="CLTZ"/>
13
14      <!-- Within the ReadRequests-container either the HotelReadRequest element OR the
15         GlobalReservation-ReadRequest can be sent, but not both. -->
16
17      <!-- By default the request-type should be the HotelReadRequest element, so that all
18         bookings which have changed since the last request will be listed in the response.
19      -->
20      </ReadRequests>
21  </OTA_ReadRQ>
```

Type 2. Global Reservation Read Request (GlobalReservationReadRequest)

It may be useful in case of system breakdown or interruption of the interface, that PMS gets the opportunity to once again request again all bookings in a defined period. An accommodation may want to ask again for all bookings since a defined day or period by GlobalReservationReadRequest.

If the "Global Reservation" is requested, it should have a "Start Time" and "End Time" specified. The response contains all the bookings that have taken place in between the start time and end time. There is no restriction for range that is specified between Start time and End time. The information pertaining to bookings that have taken place since last one or two years could be requested using global reservation.

For a detailed explanation of how these could be achieved, please see the XML fragment below:

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Timestamp="2012-05-11T09:56:42.605" Target="Production" Version="3.30"
4      PrimaryLangID="de" ReservationType="3" ReqRespVersion="3.30">
5
6      <POS>...</POS>
7      <ReadRequests>
8
9      <!-- If there are any problems with previous HotelReadRequest at the accommodation site
10         or if there is a requirement of archival purposes to fetch all the bookings over a
11         period of time, 'GlobalReservationReadRequest' element could be used. -->
12
13         <GlobalReservationReadRequest Start="2012-04-01" End="2012-04-10" />
14
15     <!-- All the bookings that have taken place since the date specified in attribute
16         'Start' (2011-07-01 in our example) to previous date specified in attribute
17         'End' (2011-07-09 as per our example) will be returned. -->
18
19     </ReadRequests>
20 </OTA_ReadRQ>

```

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Type 3. OTA_ReadRQ by Booking ID

In order to fetch the booking details of a particular booking, PMS can also make a request based on Booking ID. We can find the detailed xml below.

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Timestamp="2012-05-11 09:56:42.605" Target="Production" Version="3.30"
4      PrimaryLangID="de" ReservationType="3" ReqRespVersion="3.30">
5
6      <POS>...</POS>
7      <ReadRequests>
8          <ReadRequest>
9              <UniqueID ID="876517" ID_Context="CltzBookingID" />
10
11          <!-- For complete booking : Here ID under the element UniqueID holds the bookingId
12              for which we need to fetch the details. -->
13
14          <!-- OR -->
15
16              <UniqueID ID="ZnWESCiP-1341139045" ID_Context="CltzBookingCode" />
17
18          <!-- For two phase booking : Here ID holds booking code generated after first phase
19              of booking. -->
20
21          </ReadRequest>
22      </ReadRequests>
23 </OTA_ReadRQ>

```

Type 4. OTA_ReadRQ by search criteria

CultSwitch restricts the number of Bookings/Cancellations in a response, to provide better response times. Per each request, a maximum of 50 number of Booking/-Cancellation records are allowed.

1) In order to fetch the Past/Current/Future bookings list, PMS can also make a request based on Past, Current and Future date types.

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Target="Production" Version="3.00" ReqRespVersion="3.30"

```

```

4         Timestamp="2012-04-03T13:43:12" ReservationType="3" PrimaryLangID="en" >
5     <POS>...</POS>
6     <ReadRequests>
7         <ReadRequest>
8             <Verification>
9                 <TPA_Extensions>
10
11     <!-- 1. Requesting the booking details based on Past Date. -->
12     <!-- Per each request we get a maximum number of 50 bookings in a response. Here
13     the attributes FromIndex="0" ToIndex="49" specifies the Bookings from 1 to 50. For
14     the next 50 bookings, attributes should be written as FromIndex="50" ToIndex="99". -->
15
16     <!-- The total number of Bookings and Cancellations are indicated by the value of the
17     attribute - MaxResponses="80" under <OTA_ResRetrieveRS> element, of the response XML -->
18
19         <LimitsInfo FromIndex="0" ToIndex="50"/>
20         <Date DateType="Past" />
21         <Date DateType="PastExcludeCancellations" />
22
23
24     <!-- OR -->
25     <!-- 2. Requesting the booking details based on Current Date. -->
26
27         <LimitsInfo FromIndex="0" ToIndex="50"/>
28         <Date DateType="Current" />
29         <Date DateType="CurrentExcludeCancellationsAndNoShow" />
30
31     <!-- OR -->
32     <!-- 3. Requesting the booking details based on Future Date. -->
33
34         <LimitsInfo FromIndex="0" ToIndex="50"/>
35         <Date DateType="Future" />
36         <Date DateType="FutureExcludeCancellationsAndNoShow" />
37
38     </TPA_Extensions>
39 </Verification>
40 </ReadRequest>
41 </ReadRequests>
42 </OTA_ReadRQ>

```

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2) In order to fetch the booking details of all Cancelled Bookings, make use of the below XML.

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3     Target="Production" Version="3.00" ReqRespVersion="3.30"
4     Timestamp="2012-04-03T13:43:12" PrimaryLangID="en" >
5     <POS>...</POS>
6     <ReadRequests>
7         <ReadRequest>
8             <Verification>
9                 <TPA_Extensions>
10                     <LimitsInfo FromIndex="0" ToIndex="50"/>
11
12     <!-- Per each request we get a maximum number of 50 Cancellations in a response. Here
13     the attributes FromIndex="0" ToIndex="49" specifies the Cancellations from 1 to 50. For
14     the next 50 Cancellations, attributes should be written as FromIndex="50" ToIndex="99". -->
15
16     <!-- The total number of Bookings and Cancellations are indicated by the value of the
17     attribute - MaxResponses="80" under <OTA_ResRetrieveRS> element, of the response XML -->
18
19         <UniqueID ID="15" ID_Context="ResponseType" />
20
21     <!-- Requesting the details of all Cancelled bookings. -->
22
23     <!-- OR-->
24         <UniqueID ID="18" ID_Context="ResponseType" />
25
26     <!-- Requesting the details of all No-Show bookings. -->
27
28         <Date DateType="CancellationDate" Start="2012-11-15"/>
29
30     <!-- Requesting the details of all Cancelled bookings based on specific date. -->
31
32     </TPA_Extensions>
33 </Verification>
34 </ReadRequest>
35 </ReadRequests>
36 </OTA_ReadRQ>

```

3) In order to fetch details of Bookings and Cancellations based on Guest Name, Arrival Date, Departure Date, Stay Date, Stay Period, Booking Date, Bookings date range, Booking ID, Room Category, Product ID and Distributor ID, use the below XML.

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```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Target="Production" Version="3.00" ReqRespVersion="3.30"
4      Timestamp="2012-04-03T13:43:12" PrimaryLangID="en" >
5      <POS>...</POS>
6      <ReadRequests>
7          <ReadRequest>
8              <Verification>
9
10         <!-- 1. Requesting the details of Bookings and Cancellations based on Guest Name. -->
11
12         <PersonName>
13             <GivenName>TestName1</GivenName>
14             <Surname>sur</Surname>
15         </PersonName>
16
17         <!-- OR -->
18
19         <TPA_Extensions>
20             <LimitsInfo FromIndex="0" ToIndex="50"/>
21
22         <!-- Per each request we get a maximum number of 50 Bookings and Cancellations in a
23              response. Here the attributes FromIndex="0" ToIndex="49" specifies the Bookings and
24              Cancellations from 1 to 50. For the next 50 Bookings and Cancellations,
25              attributes should be written as FromIndex="50" ToIndex="99". -->
26
27         <!-- The total number of Bookings and Cancellations are indicated by the value of the
28              attribute - MaxResponses="80" under <OTA_ResRetrieveRS> element, of the response XML -->
29
30         <Date DateType="ArrivalDate" Start="2013-01-12" />
31
32         <!-- 2. Requesting the details of Bookings and Cancellations based on Arrival Date. -->
33
34         <!-- OR -->
35         <Date DateType="ArrivalDate" Start="2012-12-07" End="2012-12-10" />
36
37         <!-- 3. Requesting the details of Bookings and Cancellations based on Arrival Date Range. -->
38
39         <!-- OR -->
40
41         <Date DateType="DepartureDate" Start="2012-12-07" End="2012-12-10" />
42
43         <!-- 4. Requesting the details of Bookings and Cancellations based on Departure Date Range. -->
44
45         <!-- OR -->
46         <!-- 5. Requesting the details of Bookings and Cancellations based on Stay Date. -->
47
48         <Date DateType="StayDate" Start="2013-06-22" />
49
50         <!-- OR -->
51         <!-- 6. Requesting the details of Bookings and Cancellations based on Stay Period. -->
52
53         <Date DateType="StayPeriod" Start="2012-12-07" End="2012-12-10" />
54
55         <!-- OR -->
56         <!-- 7. Requesting the details of Bookings and Cancellations based on Booking Date. -->
57
58         <Date DateType="BookingEnteries" Start="2012-12-07" />
59
60         <!-- OR -->
61         <!-- 8. Requesting the details of Bookings and Cancellations based on Bookings date range. -->
62
63         <Date DateType="BookingEnteries" Start="2012-12-07" End="2012-12-10" />
64
65         <!-- OR -->
66         <!-- 9. Requesting the details of Bookings and Cancellations based on Booking ID.
67              The Booking ID can either Cultuzz Booking ID or Channel Booking ID -->
68
69         <UniqueID ID="875877" ID_Context="BookingNumber" Instance="0"/>
70
71         <!-- Attribute "Instance" specifies the type of BookingNumber. Here, 0 represents
72              channelBookingID, 1 represents cltzBookingID and 2 represents UnKnown BookingID -->
73
74         <!-- OR -->
75         <!-- 10. Requesting the details of Bookings and Cancellations based on Room Category. -->
76
77         <UniqueID ID="5308" ID_Context="ProductElement" />

```



```

78 <!-- OR -->
79 <!-- Requesting the details of Bookings and Cancellations based on Product ID. -->
80
81 <UniqueID ID="83208" ID_Context="Product" />
82
83
84 <!-- OR -->
85 <!-- 11. Requesting the details of Bookings and Cancellations based on Distributor ID. -->
86
87 <UniqueID ID="1772" ID_Context="Channel" />
88
89 </TPA_Extensions>
90 </Verification>
91 </ReadRequest>
92 </ReadRequests>
93 </OTA_ReadRQ>

```

4) In order to fetch details of Bookings and Cancellations based on Cancel Policy ID, No-Show Policy ID, Payment Policy ID and Booking Guarantee ID, use the below XML.

cultuzz.

```

1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3   Target="Production" Version="3.00" ReqRespVersion="3.30"
4   TimeStamp="2012-04-03T13:43:12" PrimaryLangID="en" >
5   <POS>...</POS>
6   <ReadRequests>
7     <ReadRequest>
8       <Verification>
9         <TPA_Extensions>
10          <LimitsInfo FromIndex="0" ToIndex="50"/>
11
12 <!-- Per each request we get a maximum number of 50 Bookings and Cancellations in a
13 response. Here the attributes FromIndex="0" ToIndex="49" specifies the Bookings and
14 Cancellations from 1 to 50. For the next 50 Bookings and Cancellations,
15 attributes should be written as FromIndex="50" ToIndex="99". -->
16
17 <!-- The total number of Bookings and Cancellations are indicated by the value of the
18 attribute - MaxResponses="80" under <OTA_ResRetrievers> element, of the response XML -->
19
20 <UniqueID ID="154" ID_Context="CancellationPolicy" />
21
22 <!-- 1. Requesting the details of Bookings and Cancellations based on Cancel Policy ID. -->
23
24 <!-- OR -->
25
26 <UniqueID ID="53" ID_Context="NoShowPolicy" />
27
28 <!-- 2. Requesting the details of Bookings and Cancellations based on No-Show Policy ID. -->
29
30 <!-- OR -->
31
32 <UniqueID ID="19" ID_Context="PaymentPolicy" />
33
34 <!-- 3. Requesting the details of Bookings and Cancellations based on Payment Policy ID. -->
35
36 <!-- OR -->
37
38 <UniqueID ID="3" ID_Context="BookingGuarantee" />
39
40 <!-- 4. Requesting the details of Bookings and Cancellations based on Booking Guarantee ID. -->
41
42 </TPA_Extensions>
43 </Verification>
44 </ReadRequest>
45 </ReadRequests>
46 </OTA_ReadRQ>

```

5) CultSwitch allows "Multiple search criteria" to fetch the Bookings and Cancellations. We can combine two or more criterions in one single search. Then the response contains filtered set of used criterions.

For Example : We can combine criterions like Product and Payment Policy. We get the result of Bookings and Cancellations based on first criterion Product ID and then based on second criterion Payment Policy ID. So finally we get the bookings based on the above two search criterions.



```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ReadRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      Target="Production" Version="3.00" ReqRespVersion="3.30"
4      Timestamp="2012-04-03T13:43:12" PrimaryLangID="en" >
5  <POS>...</POS>
6  <ReadRequests>
7      <ReadRequest>
8          <Verification>
9              <TPA_Extensions>
10                 <LimitsInfo FromIndex="0" ToIndex="50"/>
11             </TPA_Extensions>
12             <!-- Per each request we get a maximum number of 50 Bookings and Cancellations in a
13                  response. Here the attributes FromIndex="0" ToIndex="49" specifies the Bookings and
14                  Cancellations from 1 to 50. For the next 50 Bookings and Cancellations,
15                  attributes should be written as FromIndex="50" ToIndex="99". -->
16             <!-- The total number of Bookings and Cancellations are indicated by the value of the
17                  attribute - MaxResponses="80" under <OTA_ResRetrieveRS> element, of the response XML -->
18             <Date DateType="Past" />
19             <Date DateType="Current" />
20             <Date DateType="Future" />
21             <UniqueID ID="15" ID_Context="ResponseType" />
22             <UniqueID ID="83208" ID_Context="Product" />
23             <UniqueID ID="5308" ID_Context="ProductElement" />
24             <UniqueID ID="1772" ID_Context="Channel" />
25             <Date DateType="BookingEntries" Start="2012-12-07" End="2012-12-10" />
26             <Date DateType="ArrivalDate" Start="2012-12-07" End="2012-12-10" />
27             <Date DateType="DepartureDate" Start="2012-12-07" End="2012-12-10" />
28             <UniqueID ID="1461444" ID_Context="BookingNumber" />
29             <UniqueID ID="19" ID_Context="PaymentPolicy" />
30             <UniqueID ID="3" ID_Context="BookingGuarantee" />
31             <UniqueID ID="154" ID_Context="CancellationPolicy" />
32             <UniqueID ID="53" ID_Context="NoShowPolicy" />
33         </Verification>
34     </ReadRequest>
35 </ReadRequests>
36 </OTA_ReadRQ>
```

5.4.2 Response Message (OTA_ResRetrieve)

The response sent to client in OTA_ResRetrieve depends, on the version in ReqRespVersion of the OTA_ReadRQ and is [product](#) logic.

CultSwitch supports [Add-ons](#) in separate elements. PMS's needs to configure this feature at CultSwitch end.

This enhancement is effected from and above CultSwitch version 3.42 and all versions prior to this will continue to receive the add-on price the same way as they used to earlier (as part of the total price, clubbed with it). However, the older versions will receive the description of this [Add-ons](#) price with in the comments section.

Currently, CultSwitch supports [Add-ons](#) at three levels:

1. Per night
2. Per room
3. Per stay

OTA provides following Pricing Types in API.

1. Per night
2. Per person
3. Per person per night
4. Per stay
5. Per use

CultSwitch is getting different Price Types from different Distributors/Channels. Here, CultSwitch provides the Pricing Types as it is how it gets from Channels.

CultSwitch considering Price Types (Price Modes - PM) 3 and 4 are Per night and remaining all (1,2,5,6) are Per room [Add-ons](#).

Per stay (Reservation level) [Add-ons](#) are indicated as "PM: PerStay" the PMS get in their XML.

CultSwitch provides [Add-ons](#) Types (RMA codes) in OTA Table [Room Amenity Codes](#). CultSwitch provides Miscellaneous ID (2000) for those [Add-ons](#) of unknown types getting from Channels.

PMS's will get the detail description of [Add-ons](#) in <Text> element.



```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_ResRetrieveRS TimeStamp="2012-05-11T09:56:43" MaxResponses="80"
3      TransactionIdentifier="56984ad7-59ea-4658-a777-710b19652cac-284166155"
4      Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5      <Success/>
6      <ReservationsList>
7          <HotelReservation CreateDateTime="2012-05-10T12:46:42" RoomStayReservation="true">
8
9          <!-- The response Booking reply (from "3.30" and above) is highly bounded to the concept of product
10             logic. In detail the response is similar to the response for OTA_HotelAvailRQ and
11             OTA_HotelResRQ for products.-->
12
13          <!-- The value of the 'CreateDateTime' attribute defines the booking time, the value
14             'LastModifyDateTime' exists only if the reservation was cancelled and shows the
15             cancellation time. -->
16
17          <UniqueID ID="876517" Type="14"/>
18
19          <!-- The value for attribute 'Type' within the UniqueID element explains if the container
20             comprises a modified booking (16) or a newly generated booking (14) or a
```

```

21      No-Show (18).-->
22
23      <!-- For a No-Show, the value for attribute 'Type' will be "18" and the value for
24      attribute 'URL' will be "urn:cultuzz:cultswitch:xml:request:cancelrq:noshow".
25      For detailed information please refer No-Show request.-->
26
27      <RoomStays>
28          <RoomStay IndexNumber="11" MarketCode="12400"
29              SourceOfBusiness="CultSwitchDocHotel">
30
31              <!-- For example, the MarketCode for HRS is '1' in case of ReqRespVersion below 3.20
32
33              <RoomStay MarketCode="1" SourceOfBusiness="HRS"> -->
34
35              <!-- The MarketCode for HRS is '6484' in case of ReqRespVersion from 3.20 and above
36
37              <RoomStay MarketCode="6484" SourceOfBusiness="HRS"> -->
38
39              <!-- Note: Here the MarketCode will be changed according to the value of "ReqRespVersion" attribute.
40              MarketCode indicates Channel ID when the PMS requested with the ReqRespVersion below 3.20.
41              MarketCode indicates Distributor ID when the PMS requested with the ReqRespVersion
42              from 3.20 and above. These can be found in the table Market Codes for Source of Business
43              specified in appendix. -->
44
45              <!-- SourceOfBusiness is a short textual description of the distribution channel
46              where this booking was originated. SourceOfBusiness could be the accommodation
47              name or "CultSwitch", which means that this booking was made directly against
48              CultSwitch from the accommodation's own web page or via Cultuzz's booking engine
49              www.cultbooking.com. The attribute MarketCode contains the related ID of the
50              accommodation within the distribution channel. The list of MarketCodes and
51              SourceOfBusinesscan be found in the table Market Codes for Source of Business
52              specified in appendix. -->
53
54              <RoomTypes>
55
56              <!-- NumberOfUnits specifies the number of booked units of RoomType specified under
57              'RoomTypeCode' for this specific booking. -->
58
59              <RoomType NumberOfUnits="2" RoomTypeCode="38397">
60                  <RoomDescription Name="Double Bed Room_Apr24">
61                      <Text/>
62                  </RoomDescription>
63
64                  <!-- Per room Add-ons -->
65
66                  <!-- If the channel is communicated the add-on price for each Room to us, we will provide
67                  it as the price per Room, in individual elements each, Per Room. -->
68
69                  <AdditionalDetails>
70                      <AdditionalDetail Amount="5.00">
71                          <DetailDescription>
72                              <Text><![CDATA[RMA:1030::RMAName:Parking space::AddOnName:
73                              Parkplatz::PM:1]]></Text>
74                          </DetailDescription>
75                      </AdditionalDetail>
76                  </AdditionalDetails>
77
78                  <!-- For RoomTypeCode 38397 and for the whole stay, an add-on of amount
79                  of 5.00 of Hotel Base Currency has been booked. The addon name as per OTA Room Amenity Code
80                  is Parking space. The addon name as received from the channel is "Parkplatz" -->
81
82                  </RoomType>
83                  <RoomType NumberOfUnits="1" RoomTypeCode="38399">
84                      <RoomDescription Name="Triple Bed Room_Apr24">
85                          <Text/>
86                      </RoomDescription>
87                  </RoomType>
88                  <RoomType IsRoom="false" RoomTypeCode="PD94951"/>
89                  <RoomType IsRoom="false" RoomTypeCode="PD94957"/>
90              </RoomTypes>
91              <RoomRates>
92                  <RoomRate BookingCode="876517" NumberOfUnits="1"
93                      RatePlanID="94951" RatePlanType="11" RoomTypeCode="38397"/>
94                  <RoomRate BookingCode="876517" NumberOfUnits="1"
95                      RatePlanID="94957" RatePlanType="11" RoomTypeCode="38399"/>
96
97              <!-- In addition to the booked room, the response contains product related information.
98              Here the room 38399 was booked in the context of the product. Again with the
99              attribute RatePlanType="11", the information is determined to be related to product
100              logic. -->
101
102              <!-- Here, NumberOfUnits specifies the number of units booked of a particular ProductID type,
103              specified under 'RatePlanID'.
104              So here, the Product 94957 contain "One" unit of RoomType 38399 and the Product 94951
105              contains "One" unit of Room type 38397. The above two <RoomRate> elements related to
106              product definition.
107              There will be another two <RoomRate> elements which don't have the attribute

```

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```

108     RatePlanType="11" and contains <Rates> element. -->
109
110         <RoomRate BookingCode="876517" NumberOfUnits="2"
111             InvBlockCode="STPCXCMCMC" RoomTypeCode="PD94951">
112             <Rates>
113                 <Rate EffectiveDate="2012-06-09">
114                     <Base AmountAfterTax="81" CurrencyCode="EUR"/>
115
116 <!-- Per night Add-ons -->
117
118                     <RateDescription Name="Guests:5">
119                         <Text><![CDATA[RMA:189::RMAName:Breakfast::AddOnName:
120                             FrÄijhstÄijck::PM:4]]></Text>
121                         <Text><![CDATA[RMA:225::RMAName:Internet::AddOnName:
122                             Internet::PM:3]]></Text>
123                     </RateDescription>
124                     <AdditionalCharges>
125                         <AdditionalCharge Quantity="1" RoomAmenityCode="189">
126                             <Amount AmountAfterTax="15.00"/>
127                         </AdditionalCharge>
128                         <AdditionalCharge RoomAmenityCode="225">
129                             <Amount AmountAfterTax="5.00"/>
130                         </AdditionalCharge>
131                     </AdditionalCharges>
132
133 <!-- CultSwitch provides description in CDATA element. "RoomAmenityCode" represents
134 CultSwitch add-on code. CultSwitch provides Add-ons Types (RMA codes) in OTA Table
135 Room Amenity Codes. "RMAName" indicates CultSwitch RMA Name,
136 "AddOnName" indicates channel add-on Name and PM specified PriceMode of Add-ons.
137 "Quantity" represents the number of add-ons booked for that day. "AmountAfterTax" represents
138 per unit add-on price.
139
140 For given date and for a guest count of 5, the base amount of the room code 38397 is 81.
141 There are two addons booked with RMA Code 189 and 225, for this room code 38397
142 (present in product id 94951). The price of the add-on with RMA code 189 is 15.00 and add-on
143 with RMA code 225 is 5.00. -->
144
145                 </Rate>
146                 <Rate EffectiveDate="2012-06-10">
147                     <Base AmountAfterTax="24.88" CurrencyCode="EUR"/>
148                 </Rate>
149
150                 <Rate EffectiveDate="2012-06-11">
151                     <Base AmountAfterTax="24.88" CurrencyCode="EUR"/>
152                 </Rate>
153             </Rates>
154         </RoomRate>
155         <RoomRate BookingCode="876517" NumberOfUnits="1"
156             InvBlockCode="STPCXCMCMC" RoomTypeCode="PD94957">
157
158 <!-- 'InvBlockCode' specifies an auto-generated value, which maps Cultuzz product to
159 distributed systems product. -->
160
161             <Rates>
162                 <Rate EffectiveDate="2012-06-09">
163
164                     <Base AmountAfterTax="121.00" CurrencyCode="EUR"/>
165
166 <!-- CurrencyCode points the currency format and AmountAfterTax is the amount charged
167 for that particular day. -->
168 <!-- The rate information is delivered for each day separately. Attribute EffectiveDate
169 shows the relevant booked day. -->
170
171                 </Rate>
172                 <Rate EffectiveDate="2012-06-10">
173                     <Base AmountAfterTax="121.00" CurrencyCode="EUR"/>
174                 </Rate>
175                 <Rate EffectiveDate="2012-06-11">
176                     <Base AmountAfterTax="121.00" CurrencyCode="EUR"/>
177                 </Rate>
178             </Rates>
179         </RoomRate>
180
181 <!-- In the first RoomRate element, NumberOfUnits specifies number of products booked.
182 Here PD94951 means product 94951. In this case "two" units of product 94951
183 are booked for 2012-06-09, 2012-06-10 and 2012-06-11.
184 The price for each date is given under Rate element.
185
186 In the second RoomRate element, PD94957 means product 94957. In this case "one" unit of
187 product 94957 booked for 2012-06-09, 2012-06-10 and 2012-06-11.
188
189 Totally two different types of products were booked for the given dates.
190 So, we shown NumberOfUnits = 2 in the RoomTypes of the OTA_ResRetrieveRS.
191
192 NOTE: CultSwitch following this kind of logic because of the hotelier can provide the
193
194

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availability per room basis, but channels will accept availability per product.

Up to now, CultSwitch is processing homogeneous bookings only. i.e. Date range will be applicable for the all products in the booking (as in the above case). But it is not possible to book "P1" for two days, and "P2" for one day within one request. But some channels are sending this kind of reservations to our system. In this case we can make a general reservation. We accept these types of Reservations and update our DB with right data. However, we are unable to send the booking data correctly to PMS and also, in confirmation mails due to CultSwitch XML architecture. -->

```

<!-- For Example : <RoomTypes>
  <RoomType NumberOfUnits="2" RoomTypeCode="35450">
    <RoomDescription LastModifyDateTime="2013-03-19T16:16:13"
      Name=" EZ Komfort">
      <Text><![CDATA[GerÄd'umige Zimmer mit eigener Du /WC. WLAN im Zimmer
        ist kostenlos. XL-Boxspringbett(120/140erBreite),
        Kleiderschrank mit Kofferablage, Nachttischlampe,
        Direktwahl-Telefon, Flachbild TV, Schreibtisch,
        Stuhl, Mappe mit Schreibutensilien, eine Flasche
        Mineralwasser kostenfrei. FÄijr warme Tage des Jahres
        stehen NebelsprÄijhventilatoren zur VerfÄijgung.]]>
      </Text>
    </RoomDescription>
  </RoomType>
  <RoomType IsRoom="false" RoomTypeCode="PD94896"/>
  <RoomType IsRoom="false" RoomTypeCode="PD88698"/>
</RoomTypes>
-->

<!-- Here the room 35450 is mapped to the two Products of CultSwitch (PD94896, PD88698) -->

<!--
  <RoomRates>
    <RoomRate BookingCode="2280598" NumberOfUnits="1" RatePlanID="94896"
      RatePlanType="11" RoomTypeCode="35450"/>
    <RoomRate BookingCode="2280598" NumberOfUnits="1" RatePlanID="88698"
      RatePlanType="11" RoomTypeCode="35450"/>
  </RoomRates>
-->

<!-- Here, the attribute NumberOfUnits indicates the number of units of the Room Product
  Element contained in the Product. Also, the <RoomRate> element contains RatePlanType="11".
  RatePlanID indicates the Product ID. RoomTypeCode indicates the Room Code. RatePlanType="11"
  indicates that this information is about Products.
  That means, the Product ID - 94896, contains only 1 unit of the Room Code - 35450.
  And also the Product ID - 88698, contains 1 unit of the same Room Code - 35450. Here, the
  Room: 35450 is mapped to multiple Products (94896, 88698). -->

<!-- The below element "RoomRate" shows that, "two" units of product 94896 is booked for the
  dates 2013-09-23, 2013-09-24, 2013-09-25 and 2013-09-26 -->

<!--
  <RoomRate BookingCode="2280598" NumberOfUnits="2" RoomTypeCode="PD94896">
    <Rates>
      <Rate EffectiveDate="2013-09-23">
        <Base AmountAfterTax="95.00" CurrencyCode="EUR"/>
      </Rate>
      <Rate EffectiveDate="2013-09-24">
        <Base AmountAfterTax="95.00" CurrencyCode="EUR"/>
      </Rate>
      <Rate EffectiveDate="2013-09-25">
        <Base AmountAfterTax="95.00" CurrencyCode="EUR"/>
      </Rate>
      <Rate EffectiveDate="2013-09-26">
        <Base AmountAfterTax="95.00" CurrencyCode="EUR"/>
      </Rate>
    </Rates>
  </RoomRate>
-->

<!-- The below element "RoomRate" shows that, "two" units of product 88698 is booked for
  the date 2013-09-22 . -->

<!--
  <RoomRate BookingCode="2280598" NumberOfUnits="2" RoomTypeCode="PD88698">
    <Rates>
      <Rate EffectiveDate="2013-09-22">
        <Base AmountAfterTax="95.00" CurrencyCode="EUR"/>
      </Rate>
    </Rates>
  </RoomRate>
</RoomRates>
-->

<!-- No. of units of Room Code - 35450 booked = 1 (1 unit of Room Code - 35450 is present in
  Product ID - 94896) * 2 (Units of the Product ID - 94896 booked) = 2 units for the dates
  2013-09-23, 2013-09-24, 2013-09-25 and 2013-09-26 .
  No. of units of Room Code - 35450 booked = 1 (1 unit of Room Code - 35450 is present in
  Product ID - 88698) * 2 (Units of the Product ID - 88698 booked) = 2 units for the date
  2013-09-22 -->

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```

282 <!-- Based on the above two cases CultSwitch shows the products (2 units of 94896 and 2 units
283 of 88698) are booked, during the date range 2013-09-22 to 2013-09-26. Which implies that
284 2 units of the room (35450 mapped to multiple Products) has been booked for the given dates
285 as seen in the element <RoomType NumberOfUnits="2" RoomTypeCode="35450"> -->
286
287 </RoomRates>
288 <TimeSpan End="2012-06-12" Start="2012-06-09"/>
289 <Total AmountAfterTax="512.28" CurrencyCode="EUR"/>
290
291 <!-- AmountAfterTax under element 'Total' specifies the total price of all the products
292 of above booking for the booked period. -->
293
294 <Comments>
295 <Comment>
296 <Text>non-smoking Room </Text>
297
298 <!-- Room level comments are specified under the element 'Text'. -->
299
300 <!-- Add-ons comments will be provided here.
301 Add-on Name "BreakFast" with price 5(Addon includes BreakFast with 3 persons for 3 nights,
302 PriceMode is "PER STAY" applicable for channel room id "38397 " and channel room name
303 "Double Bed Room_Apr24" for the guests given in Room level guest details. -->
304
305 <!-- Add-on Name "Internet" with price 15(Addon includes Internet with 3 persons for
306 1 nights, PriceMode is PER NIGHT applicable for channel room id "38397" and channel
307 room name "Double Bed Room_Apr24" for the guests given in Room level guest details. -->
308
309 <!-- Add-on Name "BreakFast" with price 5(Addon includes BreakFast with 3 persons for
310 1 nights, PriceMode is "PER NIGHT" applicable for channel room id "38397 " and channel
311 room name "Double Bed Room_Apr24" for the guests given in Room level guest details. -->
312
313 <!-- Add-on Name "Parking space" with price 5(Addon includes Parking space with 3 persons
314 for 1 nights, PriceMode is "PER ROOM" applicable for channel room id "38397" and channel
315 room name "Double Bed Room_Apr24" for the guests given in Room level guest details. -->
316
317 </Comment>
318 </Comments>
319
320 <!-- Per Stay Add-ons -->
321
322 <Services>
323 <Service>
324 <Price>
325 <AdditionalCharges>
326 <AdditionalCharge RoomAmenityCode="5">
327 <Amount AmountAfterTax="100"/>
328 </AdditionalCharge>
329 </AdditionalCharges>
330 <RateDescription>
331 <Text><![CDATA[RMA:5::Name:BreakFast::PS:PerStay]]></Text>
332 </RateDescription>
333 </Price>
334 </Service>
335 </Services>
336 </RoomStay>
337 </RoomStays>
338 <ResGuests>
339 <ResGuest ResGuestRPH="899675">
340 <Profiles>
341 <ProfileInfo>
342 <Profile ProfileType="1">
343
344 <!-- Some channels can push two kinds of addresses on the Reservation Notifications. They
345 are Booker address and Billing address. Here ProfileType="1" specifies Booker address
346 and Address UseType ="3" specifies Billing address-->
347
348 <Customer Gender="Female">
349 <PersonName> <!-- Booker address -->
350 <GivenName><![CDATA[TestGivenName]]></GivenName>
351 <Surname><![CDATA[TestSurname]]></Surname>
352 <NameTitle><![CDATA[Prof. Dr.]]></NameTitle>
353 </PersonName>
354 <Telephone PhoneNumber="+49 (030) 485 254 23"/>
355 <Email><![CDATA[test@cultuzz.de]]></Email>
356 <Address FormattedInd="false">
357 <StreetNmbr><![CDATA[testBookerStreetNmbr]]></StreetNmbr>
358 <CityName><![CDATA[testBookerCityName]]></CityName>
359 <PostalCode><![CDATA[720546]]></PostalCode>
360 <CountryName Code="DE"/>
361 <CompanyName><![CDATA[test]]></CompanyName>
362 </Address>
363 <Address UseType= "3">
364
365 <!-- UseType for different values are, "3"-Billing, "2"-Mailing, "1"-Delivery, "5"-Other-->
366
367 <AddressLine>Mr</AddressLine>
368 <AddressLine>Smith</AddressLine>

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369         <AddressLine>321 Myrtle Lane</AddressLine>
370         <CityName>Latrobe</CityName>
371         <PostalCode>15650</PostalCode>
372         <StateProv>PA</StateProv>
373         <CountryName>USA</CountryName>
374     </Address>
375 </Customer>
376 </Profile>
377 </ProfileInfo>
378 </Profiles>
379 <Comments>
380     <Comment>
381         <Text>I will come to hotel early morning only </Text>
382     </Comment>
383 <!-- These comments are usually made by the Booker( Guest) termed as Booker Remarks. -->
384
385 </Comments>
386 </ResGuest>
387 <ResGuest>
388
389
390 <!--This section of ResGuest represents the guest information for the whole booking apart
391      from Room Level Guest information.
392      eg: for the booking which doesn't have Room Level Guest profiles.-->
393
394     <Profiles>
395         <ProfileInfo>
396             <Profile>
397                 <Customer>
398                     <PersonName>
399                         <GivenName><![CDATA[AdultGuest1]]></GivenName>
400                         </GivenName>
401                         <Surname><![CDATA[guest]]></Surname>
402                     </PersonName>
403                     <Telephone PhoneNumber="7569317126"/>
404                     <Email><![CDATA[testguest@cultuzz.com]]></Email>
405                     <Address>
406                         <StreetNmbr><![CDATA[XXXXX]]></StreetNmbr>
407                         <CityName><![CDATA[XXXXXX]]></CityName>
408                         <PostalCode><![CDATA[1111111]]></PostalCode>
409                         <CountryName Code="DE"/>
410                     </Address>
411                 </Customer>
412             </Profile>
413         </ProfileInfo>
414     </Profiles>
415 </ResGuest>
416 <ResGuest GroupEventCode="1" ResGuestRPH="11-38399-94957">
417
418 <!-- Per room guest profiles, guest counts can be provided under 'ResGuest' element.
419      For this purpose 'ResGuestRPH' holds index number (11) along with productID
420      (94951) as 11-94951. Incase, guest wants to book multiple units of same product,
421      then the total guests can stay in various rooms. The room unit number provided
422      using 'GroupEventCode'. In this case, GroupEventCode="1" means the below guest
423      information belongs to the first unit of the product '94957'. -->
424
425 -->
426 <!-- Each <ResGuest> element should contain attribute "ResGuestRPH" with the value to be
427      a combination of "RoomStay->IndexNumber" and "Clitz RoomTypeCode","Clitz ProductID".
428      For example, if the IndexNumber given for RoomStay is "11" and if the room code to
429      which this ResGuest is referring to is "38399" and Clitz ProductID is "94957" then
430      the ResGuestRPH would be "11-38399-94957". -->
431
432         <GuestCounts IsPerRoom="true">
433             <GuestCount AgeQualifyingCode="10" Count="2"/>
434             <GuestCount Age="13" Count="1"/>
435             <GuestCount Age="7" Count="1"/>
436             <GuestCount Age="3" Count="1"/>
437         </GuestCounts>
438     </Profiles>
439
440 <!-- Addresses for all the guests under 'GuestCounts' element are given under the
441      separate ProfileInfo's for each guest. -->
442
443         <ProfileInfo>
444             <Profile>
445                 <Customer>
446                     <PersonName>
447                         <GivenName><![CDATA[AdultGuest1]]></GivenName>
448                         <Surname><![CDATA[guest]]></Surname>
449                     </PersonName>
450                     <Telephone PhoneNumber="7569317626"/>
451                     <Email><![CDATA[testguestchild@cultuzz.com]]></Email>
452                     <Address>
453                         <StreetNmbr><![CDATA[XXXXX]]></StreetNmbr>
454                         <CityName><![CDATA[XXXXXX]]></CityName>
455                         <PostalCode><![CDATA[1111111]]></PostalCode>

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456         <CountryName Code="DE"/>
457     </Address>
458 </Customer>
459 </Profile>
460 </ProfileInfo>
461 <ProfileInfo>
462     <Profile>
463         <Customer>
464             <PersonName>
465                 <GivenName><![CDATA[AdultGuest2]]></GivenName>
466                 <Surname><![CDATA[guest]]></Surname>
467             </PersonName>
468             <Telephone PhoneNumber="9030212515"/>
469             <Email><![CDATA[testguest2@cultuzz.com]]></Email>
470             <Address>
471                 <StreetNmbr><![CDATA[yyyyyyyy]]></StreetNmbr>
472                 <CityName><![CDATA[YYYYYY]]></CityName>
473                 <PostalCode><![CDATA[22222222]]></PostalCode>
474                 <CountryName Code="IN"/>
475                 <CompanyName><![CDATA[Cultuzz India Pvt. Ltd]]>
476                     </CompanyName>
477             </Address>
478         </Customer>
479     </Profile>
480 </ProfileInfo>
481 <ProfileInfo>
482     <Profile>
483         <Customer>
484             <PersonName>
485                 <GivenName><![CDATA[ChildGuest1]]></GivenName>
486                 <Surname><![CDATA[guest]]></Surname>
487             </PersonName>
488             <Telephone PhoneNumber="9030212515"/>
489             <Email><![CDATA[testguestchild@cultuzz.com]]></Email>
490             <Address>
491                 <StreetNmbr><![CDATA[yyyyyyyy]]></StreetNmbr>
492                 <CityName><![CDATA[YYYYYY]]></CityName>
493                 <PostalCode><![CDATA[22222222]]></PostalCode>
494                 <CountryName Code="IN"/>
495                 <CompanyName><![CDATA[Cultuzz India Pvt. Ltd]]>
496                     </CompanyName>
497             </Address>
498         </Customer>
499     </Profile>
500 </ProfileInfo>
501 <ProfileInfo>
502     <Profile>
503         <Customer>
504             <PersonName>
505                 <GivenName><![CDATA[ChildGuest2]]></GivenName>
506                 <Surname><![CDATA[guest]]></Surname>
507             </PersonName>
508             <Telephone PhoneNumber="7569317626"/>
509             <Email><![CDATA[testguestchild@cultuzz.com]]></Email>
510             <Address>
511                 <StreetNmbr><![CDATA[XXXXX]]></StreetNmbr>
512                 <CityName><![CDATA[XXXXXX]]></CityName>
513                 <PostalCode><![CDATA[11111111]]></PostalCode>
514                 <CountryName Code="DE"/>
515             </Address>
516         </Customer>
517     </Profile>
518 </ProfileInfo>
519 <ProfileInfo>
520     <Profile>
521         <Customer>
522             <PersonName>
523                 <GivenName><![CDATA[ChildGuest3]]></GivenName>
524                 <Surname><![CDATA[guest]]></Surname>
525             </PersonName>
526             <Telephone PhoneNumber="7569317626"/>
527             <Email><![CDATA[testguestchild@cultuzz.com]]></Email>
528             <Address>
529                 <StreetNmbr><![CDATA[XXXXX]]></StreetNmbr>
530                 <CityName><![CDATA[XXXXXX]]></CityName>
531                 <PostalCode><![CDATA[11111111]]></PostalCode>
532                 <CountryName Code="DE"/>
533             </Address>
534         </Customer>
535     </Profile>
536 </ProfileInfo>
537 </Profiles>
538 </ResGuest>
539 <ResGuest GroupEventCode="1" ResGuestRPH="11-38397-94951">
540
541 <!-- Here, GroupEventCode="1" means the below guest information belongs to the
542      first unit of the product '94951'. -->

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543 <GuestCounts IsPerRoom="true">
544   <GuestCount AgeQualifyingCode="10" Count="3"/>
545 </GuestCounts>
546 <Profiles>
547   <ProfileInfo>
548     <Profile>
549       <Customer>
550         <PersonName>
551           <GivenName><![CDATA[Guest1]]></GivenName>
552           <Surname><![CDATA[product1]]></Surname>
553         </PersonName>
554         <Telephone PhoneNumber="111111111111"/>
555         <Email><![CDATA[testguest1@cultuzz.com]]></Email>
556         <Address>
557           <StreetNmbr><![CDATA[XXXXX]]></StreetNmbr>
558           <CityName><![CDATA[XXXXXX]]></CityName>
559           <PostalCode><![CDATA[11111111]]></PostalCode>
560           <CountryName Code="DE"/>
561         </Address>
562       </Customer>
563     </Profile>
564   </ProfileInfo>
565   <ProfileInfo>
566     <Profile>
567       <Customer>
568         <PersonName>
569           <GivenName><![CDATA[Guest2]]></GivenName>
570           <Surname><![CDATA[product1]]></Surname>
571         </PersonName>
572         <Telephone PhoneNumber="2222222222"/>
573         <Email><![CDATA[testguest2@cultuzz.com]]></Email>
574         <Address>
575           <StreetNmbr><![CDATA[MarksStreet]]></StreetNmbr>
576           <CityName><![CDATA[Berlin]]></CityName>
577           <PostalCode><![CDATA[22222222]]></PostalCode>
578           <CountryName Code="IN"/>
579           <CompanyName><![CDATA[Cultuzz India Pvt. Ltd]]>
580             </CompanyName>
581         </Address>
582       </Customer>
583     </Profile>
584   </ProfileInfo>
585   <ProfileInfo>
586     <Profile>
587       <Customer>
588         <PersonName>
589           <GivenName><![CDATA[Guest3]]></GivenName>
590           <Surname><![CDATA[product1]]></Surname>
591         </PersonName>
592         <Telephone PhoneNumber="2222222222"/>
593         <Email><![CDATA[testguest3@cultuzz.com]]></Email>
594         <Address>
595           <StreetNmbr><![CDATA[MarksStreet]]></StreetNmbr>
596           <CityName><![CDATA[Berlin]]></CityName>
597           <PostalCode><![CDATA[22222222]]></PostalCode>
598           <CountryName Code="IN"/>
599           <CompanyName><![CDATA[Cultuzz India Pvt. Ltd]]>
600             </CompanyName>
601         </Address>
602       </Customer>
603     </Profile>
604   </ProfileInfo>
605 </Profiles>
606 </ResGuest>
607 <ResGuest GroupEventCode="2" ResGuestRPH="11-38397-94951">
608
609
610 <!-- This is another 'ResGuest' element for the productId 94951. GroupEventCode="2"
611 specifies second unit of '94951' product with different guest count specifications
612 apart from GroupEventCode="1" for this product. -->
613
614 <GuestCounts IsPerRoom="true">
615   <GuestCount AgeQualifyingCode="10" Count="1"/>
616   <GuestCount Age="7" Count="1"/>
617   <GuestCount Age="12" Count="1"/>
618 </GuestCounts>
619 <Profiles>
620   <ProfileInfo>
621     <Profile>
622       <Customer>
623         <PersonName>
624           <GivenName><![CDATA[AdultGuest]]></GivenName>
625           <Surname><![CDATA[product1]]></Surname>
626         </PersonName>
627         <Telephone PhoneNumber="9030212515"/>
628         <Email><![CDATA[testguest@cultuzz.com]]></Email>
629         <Address>

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```

717     </DepositPayments>
718     <Guarantee GuaranteeCode="3" GuaranteeType="CC/DC/Voucher">
719
720     <!-- To avail the reservation Guarantee Type information, PMS needs to certify for new
721          version and should send OTA_ReadRQ request with mandatory attribute "ReqRespVersion"
722          with version "3.40" (in section 5.4.2). If reservations are being notified to PMS by
723          Cultuzz, to avail this feature, PMS needs to contact us. -->
724
725     <!-- CultSwitch providing "Credit Card information" in Encrypted format by using below
726          elements. It can be given when PMS is asking from and above 3.41 Version in
727          "ReqRespVersion" attribute.-->
728
729         <GuaranteeDescription Name="CardHolderName">
730             <Text><![CDATA[dU1Q0c3acLnen1LiTPvt6g==]]></Text>
731         </GuaranteeDescription>
732         <GuaranteeDescription Name="ExpireDate">
733             <Text><![CDATA[Li+3hQyf+q3kSnOCxQVhOw==]]></Text>
734         </GuaranteeDescription>
735         <GuaranteeDescription Name="CardCode">
736             <Text><![CDATA[A6QKc5tLEgwsxmooRfXNa3CYew2ieYnEOeH3X5c6fQ=]]></Text>
737         </GuaranteeDescription>
738         <GuaranteeDescription CreatorID="0" Name="CardNumber">
739
740     <!-- Here, "CreatorID" refers to Credit Card Number or Token Number (from Data Trans).
741          0 - Credit Card Number, 1 - Token Number -->
742
743         <Text><![CDATA[fBsNZQwRI28UrZWia2a36vw==]]></Text>
744     </GuaranteeDescription>
745     <GuaranteeDescription Name="SeriesCode">
746         <Text><![CDATA[DP+xzL8Isa6P50eki/XqLQ==]]></Text>
747     </GuaranteeDescription>
748 </Guarantee>
749 <Total AmountAfterTax="512.28" CurrencyCode="EUR"/>
750 <HotelReservationIDs>
751     <HotelReservationID ResID_Source="eBay"
752         ResID_SourceContext="TransactionNumber" ResID_Value="12587885"/>
753     <HotelReservationID ResID_Source="eBay"
754         ResID_SourceContext="eBayItemID" ResID_Value="12547895"/>
755     <HotelReservationID ResID_Source="Cultuzz"
756         ResID_SourceContext="ModifiedTo" ResID_Date="2014-08-10T08:53:25"
757         ResID_Value="12547895"/>
758
759 <!-- There are two cases a booking can be marked as 'Cancel' is as follows:
760 1. Direct cancellation of booking.
761 2. Modification of booking (cancel old booking + generate new booking).
762 ReqRespVersion=3.40 and upper versions supports to identify whether the booking
763 is canceled through Direct Cancellation or Modification.-->
764
765 <!-- If client requests for modified booking, CultSwitch will send modified booking
766 details with modified status(type="16") along with newly generated booking id
767 (ModifiedTo) and newly generated booking details with booking status(type="14")
768 along with modified booking details(CancelledFrom). -->
769
770 <!-- Here ResID_Value contains BookingID, if it is from Channel else it holds
771 eBayItemID, if the reservation is from eBay. -->
772
773 </HotelReservationIDs>
774 </ResGlobalInfo>
775 <WrittenConfInst>
776     <SupplementalData CreateDateTime="2012-05-10T12:53:42"
777         ParagraphNumber="1/0" Name="ReservarionIsSent" LastModifierID="XXX">
778
779     <!-- The 'LastModifierID' attribute represents the Acknowledgement ID for Cancellation. -->
780
781     <!-- This xml is used to indicate whether this reservation is sent to PMS or not.
782          CreateDateTime specifies booking sent time and ParagraphNumber (1/0) as "1"
783          indicates that this booking is already sent to PMS.
784
785          The following URL specifies the location of the booking pdf document. -->
786
787         <URL> http://albatros.cultuzz.de/service/bookings/2013-02/25/876517.pdf</URL>
788     </SupplementalData>
789 </WrittenConfInst>
790 </HotelReservation>
791 </ReservationsList>
792 <TPA_Extensions>
793     <ResponseTime ProcessTime="0.905" ProcessTimeUnit="Seconds"
794         RequestStartTime="2012-05-11 09:56:42.605"
795         ResponseEndTime="2012-05-11 09:56:43.510"/>
796 </TPA_Extensions>
797 </OTA_ResRetrieveRS>

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Cancellation reply

The response with Type="15" under the element UniqueID shows Cancellation reply. The attribute

'LastModifyDateTime' shows the cancellation date and time. Here, 'ID' under UniqueID specifies cancellation id.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_ResRetrieveRS TimeStamp="2011-07-07T12:46:57"
3   TransactionIdentifier="1ff8ba21-c827-45ea-b48d-5bd84be62335-1917731918"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Success/>
6   <ReservationsList>
7     <HotelReservation CreateDateTime="2011-07-05T00:00:39"
8       LastModifyDateTime="2011-07-05T11:15:39" RoomStayReservation="true">
9
10    <!-- The value of the 'CreateDateTime' attribute defines the booking time, the value
11    'LastModifyDateTime' exists only if the reservation was cancelled and shows the
12
13    cancellation time. -->
14
15    <UniqueID ID="644988" Type="15" ID_Context="CLTZ"/>
16
17    <!-- The value for attribute 'Type' within the UniqueID element explains if the container
18    comprises a new room reservation (14) or a cancellation (15) or a No-Show (18). -->
19
20    <RoomStays>...</RoomStays>
21    <ResGuests>...</ResGuests>
22    <ResGlobalInfo>...</ResGlobalInfo>
23  </HotelReservation>
24 </ReservationsList>
25 <TPA_Extensions>
26   <ResponseTime ProcessTime="0.08" ProcessTimeUnit="Seconds"
27     RequestStartTime="2011-07-07 12:46:56.940"
28     ResponseEndTime="2011-07-07 12:46:57.020"/>
29 </TPA_Extensions>
30 </OTA_ResRetrieveRS>
```

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NoShow reply

The response with Type="18" under the element UniqueID shows NoShow reply. The attribute 'LastModifyDateTime' shows the cancellation date and time. Here, 'ID' under UniqueID specifies cancellation id.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_ResRetrieveRS TimeStamp="2011-07-07T12:46:57"
3   TransactionIdentifier="1ff8ba21-c827-45ea-b48d-5bd84be62335-1917731918"
4   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
5   <Success/>
6   <ReservationsList>
7     <HotelReservation CreateDateTime="2011-07-05T00:00:39"
8       LastModifyDateTime="2011-07-05T11:15:39" RoomStayReservation="true">
9
10    <!-- The value of the 'CreateDateTime' attribute defines the booking time. -->
11
12    <UniqueID Type="18" ID="644988" ID_Context="CLTZ"
13      URL="urn:cultuzz:cultswitch:xml:request:cancelrq:noshow"/>
14
15    <!-- The value for attribute 'Type' within the UniqueID element explains if the container
16    comprises a new room reservation (14) or a cancellation (15) or a No-Show (18). -->
17
18    <RoomStays>...</RoomStays>
19    <ResGuests>...</ResGuests>
20    <ResGlobalInfo>...</ResGlobalInfo>
21  </HotelReservation>
22 </ReservationsList>
23 <TPA_Extensions>
24   <ResponseTime ProcessTime="0.08" ProcessTimeUnit="Seconds"
25     RequestStartTime="2011-07-07 12:46:56.940"
26     ResponseEndTime="2011-07-07 12:46:57.020"/>
27 </TPA_Extensions>
28 </OTA_ResRetrieveRS>
```

5.4.3 Booking Confirmations from PMS

PMS should need to send booking confirmation request to CultSwitch with successfully imported bookingIDs. If CultSwitch doesn't received a booking confirmation request for any BookingID with in 30 mins, then CultSwitch will re-send the same Booking with in the next ReadRQ(OTA_ReadRQ) to PMS.

According to this new feature, PMS should confirm the BookingIDs which were successfully imported. Then only CultSwitch will mark them "Is Sent to PMS Bookings". As per the configuration set by the Client this new feature will be available in "CultSwitch 3.3.0" with request Version "3.30". Any new PMS partner wanted to get our new Certification, they should implement this feature.



```
1 <OTA_HotelResNotifRQ PrimaryLangID="en" ResStatus="Commit" Target="Production"
2   Timestamp="2013-01-11T11:18:00" Version="3.30"
3   xmlns="http://www.opentravel.org/OTA/2003/05">
4   <POS>...</POS>
5   <HotelReservations>
6   <HotelReservation CreateDateTime="2013-01-11T11:18:00" ResStatus="Commit"
7     RoomStayReservation="true">
8     <ResGlobalInfo>
9     <HotelReservationIDs>
10      <HotelReservationID ResID_Source="CLTZ" ResID_SourceContext="BookingID"
11        ResID_Type="14" ResID_Value="879471"/>
12      <HotelReservationID ResID_Source="CLTZ" ResID_SourceContext="BookingID"
13        ResID_Type="14" ResID_Value="879455"/>
14      <HotelReservationID ResID_Source="CLTZ" ResID_SourceContext="BookingID"
15        ResID_Type="15" ResID_Value="879485"/>
16      <HotelReservationID ResID_Source="CLTZ" ResID_SourceContext="BookingCode"
17        ResID_Type="14" ResID_Value="XYZABC-1245789" />
18    <!-- Here ResID_Type as 14 and 15 indicates Booking and Cancellation respectively. -->
19    </HotelReservationIDs>
20    </ResGlobalInfo>
21  </HotelReservation>
22 </HotelReservations>
23 </OTA_HotelResNotifRQ>
```

Back to OTA-Messages : [Booking Communication \(OTA_ReadRQ/OTA_ResRetrieve\)](#)

5.5 OTA_HotelInvCountNotifRQ/RS

Send the number of available rooms:

5.5.1 Request Message (OTA_HotelInvCountNotifRQ)

```
1 <OTA_HotelInvCountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
2   TimeStamp="2011-07-05T10:50:15" Target="Production"
3   Version="3.30" PrimaryLangID="en ">
4   <POS>...</POS>
5   <Inventories>
6     <Inventory>
7       <StatusApplicationControl Start="2011-07-06" End="2012-12-31" InvCode="27236"
8         IsRoom="1" Mon="True" Tue="True" Weds="True" Thur="True"
9         Fri="True" Sat="False" Sun="True"/>
10
11   <!-- For updating the available rooms, it is necessary to send an inventory container
12   for each room and for each time span specified by the attributes 'Start' and 'End'
13   by the PMS. -->
14
15   <!-- The StatusApplicationControl container holds the information on what the
16   InvCountNotif Message applies to and the period of application. The value of
17   the InvCode attribute refers to the RoomID/RoomCode.
18   In reference to the availability request, the day which is stated within the
19   attribute 'End' is excluded, that means now the number of available rooms is
20   set for the days 2011-07-06 to 2012-12-30 but not for 2012-12-31, which is
21   excluded. -->
22
23   <!-- WeekDaysForAvailability: Availability is applied for the week days
24   whose value is specified as "True" against their week day name, for the
25   period specified between 'Start' and 'End' under 'StatusApplicationControl'.
26   -->
27   <InvCounts>
28     <InvCount CountType="2" Count="12" />
29
30   <!-- The value of attribute 'CountType' under 'InvCount' element refers to the
31   InventoryCountType (INV) of the OTA-CodeTable. CultSwitch only supports 'CountType'
32   value of "2" which means definite availability. -->
33
34   <!-- The value of attribute 'Count' specifies the number of rooms that are definitely
35   available at the time of pushing this request. -->
36
37   </InvCounts>
38 </Inventory>
39 </Inventories>
40 <StatusApplicationControl Start="2011-07-06" End="2012-12-31" InvCode="27238"
41   IsRoom="1" Mon="True" Tue="True" Weds="False" Thur="True"
42   Fri="True" Sat="False" Sun="True"/>
43   <InvCounts>
44     <InvCount CountType="2" Count="14" />
45   </InvCounts>
46 </Inventory>
47 </Inventories>
48 </OTA_HotelInvCountNotifRQ>
```

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5.5.2 Response message (OTA_HotelInvCountNotifRS)

```
1 <OTA_HotelInvCountNotifRS TimeStamp="2011-07-05T10:50:15"
2   TransactionIdentifier="e7db45f2-7b5b-459f-b4b9-ae3074043a73--120603036"
3   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
4   <Success/>
5   <TPA_Extensions>
6     <ResponseTime ProcessTime="0.206" ProcessTimeUnit="Seconds"
7       RequestStartTime="2011-07-05 10:50:15.395"
8       ResponseEndTime="2011-07-05 10:50:15.601"/>
9   </TPA_Extensions>
10 </OTA_HotelInvCountNotifRS>
```

Back to OTA-Messages : [Availability Update \(OTA_HotelInvCountNotifRQ/RS\)](#)

5.6 OTA_HotelRateAmountNotifRQ/RS

For an already registered accommodations which are using a connected [PMS](#), it is possible to set the day price for each room category with an individual time span values. This message is used in an analogous manner as the [HotelInvCountNotif](#) message. Regarding the new approach for [products](#), the room categories must be taken as product elements. This will be explained later with the message [OTA_HotelRatePlanNotifRQ/RS](#).

For this message it is necessary to use the [CultSwitch-Message Validation](#) which will be explained later.

5.6.1 Request Message (OTA_HotelRateAmountNotifRQ)

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```
1 <OTA_HotelRateAmountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
2   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
3   xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
4   FS_OTA_HotelRateAmountNotifRQ.xsd" EchoToken="0987654321"
5   TimeStamp="2011-07-05T10:59:19" Target="Production" Version="3.30"
6   TransactionIdentifier="1234567890" SequenceNbr="1" TransactionStatusCode="Start"
7   PrimaryLangID="en-us" AltLangID="en-us">
8   <POS>...</POS>
9
10  <RateAmountMessages HotelCode="12400">
11    <RateAmountMessage>
12      <StatusApplicationControl Start="2012-07-20" End="2012-12-10" InvCode="27238"
13        RatePlanType="13" IsRoom="1" Override="1"/>
14
15      <!-- To update the room price per time span, it is necessary to send a 'RateAmountMessage'
16        container for each room and for each time span specified by the attributes 'Start'
17        and 'End'. In reference to the availability request, the day which is stated
18        within the attribute 'End' is excluded, that means now the room price is set
19        from 2012-07-20 to 2012-12-09 and RatePlanType="13" specifies room. -->
20
21      <!-- If the date range is beyond the defined availability, then CultSwitch will
22        consider the prices without availability and validity. -->
23
24      <Rates>
25        <Rate Mon="True" Tue="False" Weds="True" Thur="True"
26          Fri="True" Sat="True" Sun="True">
27          <BaseByGuestAmts>
28            <BaseByGuestAmt AmountAfterTax="56.40" CurrencyCode="EUR"
29              DecimalPlaces="2" />
30          </BaseByGuestAmts>
31        </Rate>
32        <Rate MinLOS="2" MaxLOS="555" Mon="True" Tue="False" Weds="True" Thur="True"
33          Fri="True" Sat="True" Sun="True">
34
35      <!-- Also, now it is possible to define length of stay (MinLOS, MaxLOS) at room level
36        per day. -->
37
38      <!--WeekDaysForMinAndMaxLos: MinLos and MaxLos is applicable for the week days
39        which holds the value "True" against their week day name.-->
40
41      <UniqueID ID="27238" Type="18"/>
42
43      <!-- To set the length of stay, 'UniqueID' element should contain the attribute 'Type'
44        with value of "18". The attribute 'ID' refers to RoomID and needs to be the same
45        mentioned in the element 'StatusApplicationControl'. -->
46
47    </Rate>
48  </Rates>
49 </RateAmountMessage>
50 <RateAmountMessage>
51   <StatusApplicationControl Start="2012-03-20" End="2012-12-10" InvCode="27236"
52     RatePlanType="13" IsRoom="1" Override="1"/>
53
54   <Rates>
55     <Rate Mon="True" Tue="True" Weds="True" Thur="True"
56       Fri="True" Sat="True" Sun="True">
57       <BaseByGuestAmts>
58         <BaseByGuestAmt AmountAfterTax="30.00" CurrencyCode="EUR" DecimalPlaces="2"
59           Code="ChildBasePrice"/>
60
61     <!-- By default base price for calculation of a final price always depends upon the
62       daily price of the room/product element and most of the calculations are applied
63       on this base price. If there is a requirement to specify a different base price
64       for Children, where most of the base price dependent calculations need to be
        applied on this child base price rather than the regular base price (daily price),
```



```

65     then this can be specified with the 'BaseByGuestAmt' element with its 'Code'
66     attribute having a value of "ChildBasePrice". -->
67
68     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="55.00" CurrencyCode="EUR"
69     AgeQualifyingCode="10" DecimalPlaces="2" Code="PP" Type="50"/>
70     <BaseByGuestAmt AmountAfterTax="30.00" CurrencyCode="EUR" DecimalPlaces="2"/>
71     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00"
72     CurrencyCode="EUR" DecimalPlaces="2" Code="NET"/>
73     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00" CurrencyCode="EUR"
74     DecimalPlaces="2" Code="OTHER"/>
75
76 <!-- Now it is possible to define 4 different types of Rates. "BAR" (or default),
77 "NET", "OTHER" and "PP" rates. These are also often referred to as PG1 (BAR),
78 PG2 (NET) and PG3 (OTHER) where PG means "Price Group" and PP means price per
79 occupancy. The value of BAR/NET/OTHER/PP should be provided with attribute
80 "Code". If nothing is specified, it is considered to be the "BAR" (PG1) rate.
81 Price per occupancy (PP) is defined based on the occupancy under the attribute
82 'BaseByGuestAmts'. -->
83
84 <!-- The number of guests for which this amount is applicable is the "standard
85 occupancy" specified for this room (InvCode=27236 in this example). If the
86 standard occupancy defined for RoomID 27236 is "2", the price specified with
87 attribute 'AmountAfterTax' is for 2 guests. -->
88
89     <BaseByGuestAmt NumberOfGuests="1" AmountAfterTax="56.40" CurrencyCode="EUR"
90     MinAge="01" MaxAge="06" DecimalPlaces="2" Code="CD" Type="50"/>
91     <BaseByGuestAmt NumberOfGuests="1" AmountAfterTax="76.40" CurrencyCode="EUR"
92     MinAge="07" MaxAge="10" DecimalPlaces="2" Code="CD" Type="50"/>
93
94 <!-- ChildDiscounts (CD) are applicable based on the age groups of the child and on the
95 child count. The attributes 'MinAge' and 'MaxAge' specifies the age range of the child.
96 Here MinAge and MaxAge is included for the price specified.
97
98 Ex: <BaseByGuestAmt NumberOfGuests="1" AmountAfterTax="56.40" CurrencyCode="EUR"
99     MinAge="0" MaxAge="06" DecimalPlaces="2" Code="CD" Type="50"/>
100 Here, child of age from '01' to '06' will affects with the price 56.40EUR.
101
102 'NumberOfGuests' gives information about child count. 'AmountAfterTax' and
103 'CurrencyCode' specifies the amount and the currency type respectively. The
104 attribute 'Type' specifies type of charge based on different prices. For more
105 supported charges types, please refer OTA code table Supplement Types (CHG). -->
106
107 </BaseByGuestAmts>
108 <CancelPolicies>
109     <CancelPenalty ConfirmClassCode="CancelPolicy">
110         <Deadline OffsetDropTime="BeforeArrival"
111             OffsetTimeUnit="Day" OffsetUnitMultiplier="15"/>
112         <AmountPercent BasisType="FullStay" NmbrOfNights="1" Percent="40.00"/>
113     </CancelPenalty>
114     <CancelPenalty ConfirmClassCode="NoShowPolicy" PolicyCode="49">
115         <Deadline/>
116         <AmountPercent BasisType="FullStay"
117             NmbrOfNights="1" Percent="40.00"/>
118     </CancelPenalty>
119
120 <!-- CancelPenalties element is to specify the Cancel and NoShow policies applied for
121 that particular date range for that particular room. Multiple Cancel or NoShow policies
122 can be applicable in the same request.
123 The attribute ConfirmClassCode specifies whether it is a CancelPolicy/NoShowPolicy.
124 The value of OffsetUnitMultiplier is the multiplier with the value hold by the
125 OffsetTimeUnit and OffsetDropTime specifies when that policy has to be applied.
126 In our example,
127 showing that CancelPolicy for 30 days has to be applied before arrival. -->
128
129     <CancelPenalty ConfirmClassCode="CancelPolicy" PolicyCode="56">
130 <Deadline OffsetTimeUnit="Day" OffsetUnitMultiplier="30"
131     OffsetDropTime="BeforeArrival"/>
132     <AmountPercent NmbrOfNights="1" BasisType="FullStay" Percent="30"/>
133     </CancelPenalty>
134
135 <!-- <AmountPercent> element specifies type of stay, number of nights and the percentage
136 of reduction on the base amount for that policy.-->
137
138 </CancelPolicies>
139 <GuaranteePolicies>
140     <GuaranteePolicy GuaranteeCode="5" GuaranteeType="Deposit"/>
141
142 <!-- CultSwitch provides different modes of Guarantees. CreditCard guarantee with
143 GuaranteeCode="3", Email guarantee with GuaranteeCode="2", No guarantee
144 GuaranteeCode="1" and Deposit with GuaranteeCode="5". -->
145
146 </GuaranteePolicies>
147 <PaymentPolicies>
148
149 <!-- PaymentPolicy specifies the type of payment with an individual guaranteetype which
150 inturn specifies the amount to be payed for a particular duration given under the
151 element 'Deadline'. Policy can be updatable by specifying the PolicyCode.

```

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```

152 - OffsetTimeUnit with accepted values Year, Month, Week, Day, Hour or FullDuration.
153 - OffsetTimeMultiplier value range is [0,999]
154 -->
155
156 <GuaranteePayment GuaranteeCode="5" GuaranteeType="Deposit" PolicyCode="49">
157   <AmountPercent Amount="15" />
158   <Deadline OffsetTimeUnit="FullDuration" OffsetUnitMultiplier="1"/>
159 </GuaranteePayment>
160 </PaymentPolicies>
161 </Rate>
162 <Rate MinLOS="2" MaxLOS="555" Mon="True" Tue="True" Weds="True" Thur="True"
163   Fri="True" Sat="True" Sun="True">
164 <RateDescription Name="LengthOfStay"/>
165 </Rate>
166 <Rate Mon="True" Tue="False" Weds="False" Thur="False" Fri="True" Sat="True"
167   Sun="True">
168   <RateDescription Name="ArrivalDays"/>
169 </Rate>
170 <Rate Mon="False" Tue="False" Weds="True" Thur="True" Fri="False" Sat="False"
171   Sun="False">
172   <RateDescription Name="DepartureDays"/>
173 </Rate>
174 <Rate Mon="False" Tue="False" Weds="True" Thur="True" Fri="False" Sat="False"
175   Sun="False">
176   <RateDescription Name="AvailableDays"/>
177 </Rate>
178
179 <!-- The possible and non-possible days of arrivals,departures and available are specified
180 against the week names with a value True/False. The day with a value 'True' allows
181 arrival/departure/available depending upon the element 'RateDescription'. -->
182
183 <Rate Mon="True">
184   <RateDescription Name="WeekDaySupplements"/>
185   <Fees> <Fee Code="16" Percent="10.83" DecimalPlaces="2"/> </Fees>
186 </Rate>
187
188 <!-- WeekDaySupplements allows to keep Surcharge(16)/Discount(24) on the price mentioned
189 in 'BaseByGuestAmts', on day level basis. Percent/Amount attribute specifies the
190 percentage/direct amount of reduction or surcharge applied for that week day and
191 DecimalPlaces gives information regarding till how many decimal places we are
192 going to accept the Percent/Amount under 'Fee' element.
193 Removal: Xml to remove WeekDaySupplements for the given period completely is,
194   <Rate><RateDescription Name="WeekDaySupplements"/></Rate> -->
195
196 </Rate>
197 <Rate Tue="True">
198   <RateDescription Name="WeekDaySupplements"/>
199   <Fees> <Fee Code="16" Amount="14.24" DecimalPlaces="2"/> </Fees>
200 </Rate>
201 <Rate Weds="True">
202   <RateDescription Name="WeekDaySupplements"/>
203   <Fees> <Fee Code="16" Percent="10" DecimalPlaces="2"/> </Fees>
204 </Rate>
205 <Rate Thur="True">
206   <RateDescription Name="WeekDaySupplements"/>
207   <Fees> <Fee Code="16" Amount="45" DecimalPlaces="2"/> </Fees>
208 </Rate>
209 <Rate Fri="True">
210   <RateDescription Name="WeekDaySupplements"/>
211   <Fees> <Fee Code="16" Percent="10" DecimalPlaces="2"/> </Fees>
212 </Rate>
213 <Rate Sat="True">
214   <RateDescription Name="WeekDaySupplements"/>
215   <Fees> <Fee Code="24" Percent="8" DecimalPlaces="2"/> </Fees>
216 </Rate>
217 <Rate Sun="True">
218   <RateDescription Name="WeekDaySupplements"/>
219   <Fees> <Fee Code="24" Percent="12" DecimalPlaces="2"/> </Fees>
220 </Rate>
221 <Rate RateTier="1">
222   <RateDescription Name="BasePriceCalculationLogic"/>
223
224 <!-- "BasePriceCalculationLogic": Some times there is a chance that, the logic to
225 calculate a base price differs (based on distributor's own use-cases). The
226 attribute 'Name' in 'RateDescription' element specifies whether such a logic
227 is required, if it has a value of "BasePriceCalculationLogic".
228
229 The attribute 'RateTier' specifies which logic needs to be applied. With a
230 value of "1", it specifies that, the default logic is used or no logic
231 necessary. With a value of "2", it specifies that, the total number of adults
232 needs to be taken as number of adults + number of children. -->
233
234 </Rate>
235 <Rate RateTier="1">
236   <RateDescription Name="StayPolicy"/>
237
238 <!--StayPolicy points to different policies to apply rates (on day level basis).

```

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```

239     RateTier="1/2/3(ArrivalDay/DepatureDay/Daylevel)" based on which policy the
240     price have to calculate for the booking duration. -->
241
242     </Rate>
243     <Rate RateTier="1">
244         <RateDescription Name="StaySupplementApply"/>
245
246     <!--StaySupplementApply decides which supplement need to apply first among
247     WeekDaySupplement and StaySupplement.
248     For RateTier="1", WeekDaySupplement need to apply first than DurationSupplemnet
249     and RateTier="2" specifies DurationSupplemnet need to apply first than
250     WeekDaySupplement. This will apply only while calculating child prices. -->
251
252     </Rate>
253
254     <!-- CultSwitch had implemented ShortStaySurcharge and LongStayDiscount as per
255     room type and day level. So every day can have distinct value.
256     And each day can have multiple values for each defined stay.
257
258     For example, a room type have the below Discounts and Supplements for the
259     specified day.
260     Day - 1 : Has the following discounts and surcharges.
261     a. "Short stay surcharge for up to 1 night per night: 15.00 EUR"
262     b. "Short stay surcharge for up to 2 nights per night: 10.00 EUR"
263     c. "Long Stay Discount for >=4 nights per night 5 Percent"
264     d. "Long Stay Discount for >=5 nights per night 10 Percent"
265     Similarly, different days will have different Discounts and Supplements.
266     The XML format for the above will be like the following.
267
268     Removal: Xml to remove LongStayDiscountAndShortStaySurcharge is,
269     <Rate><RateDescription Name="ShortStaySurcharge"/></Rate>
270     <Rate><RateDescription Name="LongStayDiscount"/></Rate> -->
271
272     <Rate Duration="P1D">
273         <Fees>
274             <Fee Code="16" Amount="15.0"></Fee>
275         </Fees>
276         <RateDescription Name="ShortStaySurcharge"/>
277     </Rate>
278     <Rate Duration="P2D">
279         <Fees>
280             <Fee Code="16" Amount="10.0"></Fee>
281         </Fees>
282         <RateDescription Name="LongStayDiscount"/>
283     </Rate>
284     <Rate Duration="P4D">
285         <Fees>
286             <Fee Code="24" Percent="5.0"></Fee>
287         </Fees>
288         <RateDescription Name="LongStayDiscount"/>
289     </Rate>
290     <Rate Duration="P5D">
291         <Fees>
292             <Fee Code="24" Percent="10.0"></Fee>
293         </Fees>
294         <RateDescription Name="LongStayDiscount"/>
295     </Rate>
296     <Rate Sun="True" Sat="False" Fri="False" Thur="False" Weds="False" Tue="False"
297         Mon="False">
298
299     <!--Availability Blocking: Accommodation can block the availability for the weekdays
300     for a given particular room by the above xml. 'Name' attribute should always be as
301     'AvailableDays' to achieve availability blocking.-->
302
303     <RateDescription Name="AvailableDays"/>
304     </Rate>
305     </Rates>
306     </RateAmountMessage>
307     </RateAmountMessages>
308 </OTA_HotelRateAmountNotifRQ>

```

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5.6.2 Response Message (OTA_HotelRateAmountNotifRS)

Response message

```
1 <OTA_HotelRateAmountNotifRS TimeStamp="2011-07-05T10:59:19"
2   TransactionIdentifier="a5878c28-d022-4d4c-b7da-c0c1acb5adbb--505437762"
3   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
4   <Success/>
5   <TPA_Extensions>
6     <ResponseTime ProcessTime="1.276" ProcessTimeUnit="Seconds"
7       RequestStartTime="2011-07-05 10:59:18.185"
8       ResponseEndTime="2011-07-05 10:59:19.461"/>
9   </TPA_Extensions>
10 </OTA_HotelRateAmountNotifRS>
```

5.6.3 CultSwitch-Message Validation

Since there is a possibility that the request message being posted over the Internet could be spoofed and modified. As a precautionary measure, the sending of request OTA_HotelRateAmountNotifRQ (which contains important pricing information), needs to be secured. CultSwitch expects a 5-step process to be followed (explained below) to make sure that CultSwitch receives the same message that is being sent, un-modified.

The same process will be repeated on the CultSwitch side as well. The calculated and the received string will be compared at CultSwitch side. If there is an exact match occurs, then only it is sure that the message was not manipulated.

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To start with, we shall take a sample original request XML:

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_HotelRateAmountNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3   xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
4   xsi:schemaLocation="http://www.opentravel.org/OTA/2003/05
5   FS_OTAHotelRateAmountNotifRQ.xsd"
6   EchoToken="0987654321" TimeStamp="2011-07-05T10:59:19" Target="Production"
7   Version="3.30" TransactionIdentifier="1234567890" SequenceNmbr="1"
8   TransactionStatusCode="Start" PrimaryLangID="en-us" AltLangID="en-us">
9   <RateAmountMessages HotelCode="12400">
10     <RateAmountMessage>
11       <StatusApplicationControl Start="2011-07-20" End="2011-12-10" InvCode="27236"
12         RatePlanType="13" IsRoom="1" Override="1"/>
13     <Rates>
14       <Rate>
15         <BaseByGuestAmts>
16           <BaseByGuestAmt AmountAfterTax="56.40" CurrencyCode="EUR" DecimalPlaces="2"/>
17         </BaseByGuestAmts>
18       </Rate>
19     </Rates>
20   </RateAmountMessage>
21 </RateAmountMessages>
22 </OTA_HotelRateAmountNotifRQ>
```

[STEP 1]

All spaces, word-wraps etc. should be deleted from the complete original request XML.

```
1 <?xmlversion="1.0"encoding="UTF-8"?><OTA_HotelRateAmountNotifRQxmlns="http://www.opentr-
2 avel.org/OTA/2003/05"xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"xsi:schemaLoc-
3 ation="http://www.opentravel.org/OTA/2003/05FS_OTAHotelRateAmountNotifRQ.xsd"EchoToken
4 ="0987654321"TimeStamp="2011-07-05T10:59:19" Target="Production"Version="3.30"Transaction-
5 Identifier="1230"SequenceNmbr="1" TransactionStatusCode="Start"PrimaryLangID="en-us"
6 AltLangID="en-us"><RateAmountMessages HotelCode="12400"><RateAmountMessage><StatusAppl-
7 icationControlStart="2011-07-20"End="2011-12-10"InvCode="27236"RatePlanType="13"IsRoom
8 ="1"Override="1"/><Rates><Rate><BaseByGuestAmts><BaseByGuestAmt AmountAfterTax="56.40"
9 CurrencyCode="EUR" DecimalPlaces="2"/></BaseByGuestAmts></Rate></Rates></RateAmountMe-
10 ssage>
11 </RateAmountMessages></OTA_HotelRateAmountNotifRQ>
```

[STEP 2]

MD5-HashSum of above generated string should be calculated.

MD5-Message-Hash: c6fb47efb6c9881f216938be5d6c6c85

[STEP 3]

Assuming you were given the msgSignatureKey: 12249cb08d40cc66cde4d4b279f681c2 via FAX, the MD5-Message-Hash of this msgSignatureKey will be: 29b3d38e51baed5d3f2d6b865cb8792e

Assuming "A" as MD5-Message-Hash of msgSignatureKey and "B" as MD5-Message Hash of the message produced in [STEP 2](#). Both the MD5-Message-Hash strings should be concatenated in such a way that the end result will be "ABA". To explain further, first the MD5 of msgSignatureKey then concatenate it with MD5 of STEP 2, then again concatenate it with the MD5 of msgSignatureKey. The example would return: 29b3d38e51baed5d3f2d6b865cb8792e83d16b41c35391fc0104778a32416a5f29b3d38e51baed5d3f2d6b865cb8792e

[STEP 4]

Then the resultant string of STEP 3 should be encrypted using Secure-Hash-Algorithm (SHA1).

SHA1("29b3d38e51baed5d3f2d6b865cb8792e83d16b41c35391fc0104778a32416a5f29b3d38e51baed5d3f2d6b865cb8792e")
secure_key: b11fa6f811a8e87c94ee36a5db753b66236bf987

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[STEP 5]

Then the outcome of STEP 4 (secure_key) should be passed as a value to the HTTP-POST parameter "secure_key" along with the original message which would be passed as a value to the HTTP-POST parameter "otaRQ" as explained in section [XML-Elements](#). The POST parameters and their values are:
otaRQ: THE_ORIGINAL_REQUEST_XML (in this example, it would be: [click here](#))
secure_key: b11fa6f811a8e87c94ee36a5db753b66236bf987
And they would be posted as otaRQ=XXXXX&secure_key=XXXXX to the server.

5.6.4 CultSwitch-Message Validation: Java Program

The following is a simple Java program that takes in the OTA_HotelRateAmountNotifRQ request XML string and the message signature key as input and outputs the secure key. This idea may be extended to other programming languages as well. This program needs Apache commons-codec package to run successfully.

```
1  import java.security.MessageDigest;
2  import java.security.NoSuchAlgorithmException;
3  import java.util.logging.Level;
4  import java.util.logging.Logger;
5  import org.apache.commons.codec.binary.Hex;
6  import java.io.*;
7
8  public class MessageDigestCheck {
9
10     public void calMsgDigest(String xmlString , String msgSignatrueKey){
11         MessageDigest md = null;
12         try {
13             md = MessageDigest.getInstance("MD5");
14
15             /* read message */
16             md.update(xmlString.replaceAll("[ \t\r\n]", "").getBytes());
17             char[] x = Hex.encodeHex(md.digest());
18             System.out.println("Stripped XML: " + xmlString.replaceAll("[ \t\r\n]", ""));
19             System.out.println("Generated XML MD5: " + String.valueOf(x));
20             md.reset();
21
22             /* generate message signature key */
23             md.update(msgSignatrueKey.getBytes());
24             char[] y = Hex.encodeHex(md.digest());
25             System.out.println("Generated Message Signature MD5: " + String.valueOf(y));
26             md.reset();
27
28             /* generate SHA Digest */
29             String tmp = String.valueOf(y) + String.valueOf(x) + String.valueOf(y);
30             System.out.println("Combined Hashes: " + tmp);
31             md = MessageDigest.getInstance("SHA");
32             md.update(tmp.getBytes());
33             char[] secureKey2 = Hex.encodeHex(md.digest());
34
35             /* generate output */
36             System.out.println("Generated SecureKey: " + String.valueOf(secureKey2));
```

```

37         md.reset();
38     } catch (NoSuchAlgorithmException ex) {
39         Logger.getLogger(this.getClass().getName()).log(Level.SEVERE, null, ex);
40     }
41 }
42
43 /*
44  * To compile this code, copy it into a file named MessageDigestCheck.java and run:
45  * javac -classpath commons-codec.jar MessageDigestCheck.java
46  *
47  * To run the compiled file, copy the original XML request into XML_FILE and run:
48  * java -classpath .:commons-codec.jar MessageDigestCheck \
49  *      "XML_FILE" "YOUR_MESSAGE_SIGNATURE_KEY"
50  *
51  */
52 public static void main(String[] args) {
53     if (args == null || (args != null && args.length != 2)) {
54         System.out.println("Two arguments are required to run this program:" +
55                             "(1) XML File and (2) your message signature key.");
56     }
57     try {
58         String xmlFile = args[0];
59         String msgSignatureKey = args[1];
60         byte[] buffer = new byte[(int) new File(xmlFile).length()];
61         BufferedInputStream f = null;
62         f = new BufferedInputStream(new FileInputStream(xmlFile));
63         f.read(buffer);
64         MessageDigestCheck mdt = new MessageDigestCheck();
65         mdt.calcMsgDigest(new String(buffer), msgSignatureKey);
66     } catch (Exception ex) {
67         ex.printStackTrace();
68     }
69 }
70 }

```

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Back to OTA-Messages : [Rate Amount Update \(OTA_HotelRateAmountNotifRQ/RS\)](#)

5.7 OTA_HotelAvailRQ/RS

5.7.1 Request Message (OTA_HotelAvailRQ) for PMS

This message is requested by PMS (using PMS Credentials) for fetching the exact availability and price information *as it is* from CultSwitch database without any modifications to it. This is most typically used by PMS to cross check the availability and prices present in CultSwitch with that of the availability and prices present in their system.



```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelAvailRQ xmlns="http://www.opentravel.org/OTA/2003/05" Version="3.30"
3      TimeStamp="2011-07-25T12:39:21" PrimaryLangID="de">
4      <POS>...</POS>
5      <AvailRequestSegments>
6          <AvailRequestSegment ResponseType="RateInfoDetails" InfoSource="MyPersonalStay">
7
8              <!-- There can be multiple 'AvailRequestSegment' elements, each distinguished with
9                  its own value for the attribute "InfoSource". The value could be a personal
10                 choice of the requester -->
11
12                 <StayDateRange Start="2012-02-01" End="2012-02-03"/>
13
14                 <!-- The dates for which the availability or pricing information is required, needs
15                     to be specified with the element StayDateRange. The attributes 'Start' and
16                     'End' specifies the date range with an exception that the date mentioned in
17                     'End' is excluded. For ex: if the request is from 'Start=2011-08-02' to
18                     'End=2011-08-04', the availability and pricing information is only given for
19                     dates 2011-08-02 and 2011-08-03 but not for 2011-08-04. -->
20
21                 <RoomStayCandidates>
22                     <RoomStayCandidate RoomTypeCode="27236">
23
24                         <!-- Optionally, if the availability and pricing information is only required for
25                             one room type, then the element 'RoomStayCandidate' could be used with the
26                             attribute 'RoomTypeCode' containing the value of the required InvCode (room
27                             code). -->
28
29                         <!-- Please note that, multiple 'RoomStayCandidate' elements can be used for multiple
30                             room types, however, the dates mentioned within the 'StayDateRange' is common
31                             for all these room types. If a different date range is required for different
32                             room types, then please use multiple 'AvailRequestSegment' elements for each
33                             Stay date range. -->
34
35                         <!-- If the 'RoomStayCandidates' element is ignored, then the availability and
36                             pricing information is returned for all the room types present for this
37                             particular accommodation Code (Object). -->
38
39                     </RoomStayCandidate>
40                 </RoomStayCandidates>
41             </AvailRequestSegment>
42         </AvailRequestSegments>
43     </OTA_HotelAvailRQ>
```

5.7.2 Response Message (OTA_HotelAvailRS) for PMS

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelAvailRS PrimaryLangID="de" Target="Production"
3      TimeStamp="2011-07-05T11:07:43"
4      TransactionIdentifier="20e1961a-c244-4dea-8b04-9d410b28d2fe--478547445"
5      Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6      <Success/>
7      <RoomStays>
8          <RoomStay InfoSource="MyPersonalStay">
9              <RoomTypes>
10                 <RoomType RoomTypeCode="27236">
11                     <RoomDescription Name="My SingleBedRoom"/>
12                     <AdditionalDetails>
13                         <AdditionalDetail Code="7" Type="4"/>
14                     </AdditionalDetails>
15
16                     <!-- The RoomType element contains typically the static information of the requested
17                         room. Each requested room type will have its own 'RoomType' container element
18                         identified by the attribute 'RoomTypeCode'. -->
19
16                 </RoomType>
20             </RoomTypes>
21             <RoomRates>
22                 <RoomRate RoomTypeCode="27236">
```

```

24
25 <!-- The RoomRate element typically contains the dynamic information of the requested
26 room. Each requested Room type will have its own 'RoomRate' container element
27 identified by the attribute 'RoomTypeCode'. -->
28
29 <Rates>
30 <Rate Duration="1" EffectiveDate="2012-02-02"
31 MaxLOS="888" MinLOS="3" NumberOfUnits="12" RateSource="0">
32
33 <!-- For each requested date within the StayDateRange, there will be a dedicated
34 'Rate' element containing the dynamic information for the requested room, for
35 this particular date identified by the attribute 'EffectiveDate'. For example,
36 if the StayDateRange is requested between '2012-02-01' and '2011-01-03' (end
37 date excluded), then there would be two 'Rate' elements one for '2012-02-01'
38 and the second for '2012-02-02'. -->
39
40 <!-- The value specified with "NumberOfUnits" (here 12) is the actual snapshot of
41 the value for the availability of this room, for this date in the CultSwitch
42 database. Please remember that, the NumberOfUnits should be cross checked with
43 the Guaranteed Allotment value (specified below), before pushing in any
44 availability to the CultSwitch. -->
45
46 <!-- The MaxLOS and MinLOS are the Length of Stay attributes of this room, for this
47 date. -->
48
49 <RateDescription LastModifyDateTime="2011-07-05T00:00:00"
50 Name="AvailabilityReport"/>
51 <ListItem ListItem="3"><![CDATA[GuaranteedAllotment_11_HotelClub
52 RatesToGo]]></ListItem>
53 <ListItem ListItem="3"><![CDATA[Minimum required availability
54 based on Guaranteed Allotment]]></ListItem>
55 <ListItem ListItem="1"><![CDATA[ArrivalDayAvail]]></ListItem>
56 <ListItem ListItem="1"><![CDATA[DepartureDayAvail]]></ListItem>
57
58 <!-- The value specified with attribute 'LastModifyDateTime' is the time at which
59 the last update has come from the requesting PMS. -->
60
61 </RateDescription>
62 <Base AmountAfterTax="666.00" CurrencyCode="EUR"/>
63 <CancelPolicies>
64 <CancelPenalty ConfirmClassCode="CancelPolicy" PolicyCode="49">
65 <Deadline OffsetDropTime="BeforeArrival"
66 OffsetTimeUnit="Day" OffsetUnitMultiplier="15"/>
67 <AmountPercent BasisType="FullStay" NmbrOfNights="1" Percent="40.00"/>
68 </CancelPenalty>
69 <CancelPenalty ConfirmClassCode="CancelPolicy" PolicyCode="12">
70 <Deadline OffsetTimeUnit="Day" OffsetUnitMultiplier="30"
71 OffsetDropTime="BEFORE_ARRIVAL"/>
72 <AmountPercent NmbrOfNights="1" BasisType="FULL_STAY" Percent="30"/>
73 </CancelPenalty>
74 <CancelPenalty ConfirmClassCode="NoShowPolicy" PolicyCode="542">
75 <Deadline/>
76 <AmountPercent BasisType="FullStay"
77 NmbrOfNights="1" Percent="40.00"/>
78 </CancelPenalty>
79 </CancelPolicies>
80 <GuaranteePolicies>
81 <GuaranteePolicy GuaranteeCode="5" GuaranteeType="Deposit"/>
82 </GuaranteePolicies>
83 <PaymentPolicies>
84 <GuaranteePayment GuaranteeCode="5" GuaranteeType="Deposit"
85 PolicyCode="49">
86 <AmountPercent Amount="15"/>
87 <Deadline OffsetTimeUnit="FullDuration" OffsetUnitMultiplier="1"/>
88 </GuaranteePayment>
89 </PaymentPolicies>
90 <Fees>
91 <Fee Code="16" Amount="45" DecimalPlaces="2" RPH="WeekDaySupplements"/>
92 </Fees>
93 <TPA_Extensions>
94 <BaseByGuestAmts>
95 <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="40.00" Code="PP"
96 CurrencyCode="EUR" AgeQualifyingCode="10" DecimalPlaces="2" />
97 <BaseByGuestAmt AmountAfterTax="30.00" CurrencyCode="EUR"
98 DecimalPlaces="2"/>
99 <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00"
100 CurrencyCode="EUR" DecimalPlaces="2" Code="NET"/>
101 <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00"
102 CurrencyCode="EUR" DecimalPlaces="2" Code="OTHER"/>
103 <BaseByGuestAmt NumberOfGuests="1" AmountAfterTax="56.40"
104 CurrencyCode="EUR" MinAge="0" MaxAge="10"
105 DecimalPlaces="2" Code="CD" Type="50" />
106
107 <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="76.40"
108 CurrencyCode="EUR" MinAge="0" MaxAge="10"
109 DecimalPlaces="2" Code="CD" Type="50"/>
110 </BaseByGuestAmts>

```

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```

111     <Rate RateTier="1">
112         <RateDescription Name="BasePriceCalculationLogic"/>
113     </Rate>
114     <Rate RateTier="1">
115         <RateDescription Name="StayPolicy"/>
116     </Rate>
117     <Rate RateTier="1">
118         <RateDescription Name="StaySupplementApply"/>
119     </Rate>
120     <Rate Duration="P3D">
121         <RateDescription Name="LongStayDiscount"/>
122         <Fees>
123             <Fee Amount="4.00" Code="24"/>
124         </Fees>
125     </Rate>
126     <Rate Duration="P2D">
127         <RateDescription Name="ShortStaySurcharge"/>
128         <Fees>
129             <Fee Amount="3.00" Code="24"/>
130         </Fees>
131     </Rate>
132 </TPA_Extensions>
133 </Rate>
134 <Rate Duration="1" EffectiveDate="2012-02-01"
135     MaxLOS="888" MinLOS="3" NumberOfUnits="12" RateSource="0">
136     <RateDescription
137         LastModifyDateTime="2011-07-05T00:00:00" Name="AvailabilityReport">
138         <ListItem ListItem="3"><![CDATA[GuaranteedAllotment_11_HotelClub
139             RatesToGo]]></ListItem>
140         <ListItem ListItem="3"><![CDATA[Minimum required availability
141             based on Guaranteed Allotment]]></ListItem>
142         <ListItem ListItem="1"><![CDATA[ArrivalDayAvail]]></ListItem>
143         <ListItem ListItem="1"><![CDATA[DepartureDayAvail]]></ListItem>
144     </RateDescription>
145     <Base AmountAfterTax="666.00" CurrencyCode="EUR"/>
146     <CancelPolicies>
147         <CancelPenalty ConfirmClassCode="CancelPolicy">
148             <Deadline OffsetDropTime="BeforeArrival"
149                 OffsetTimeUnit="Day" OffsetUnitMultiplier="15"/>
150             <AmountPercent BasisType="FullStay"
151                 NmbrOfNights="1" Percent="40.00"/>
152         </CancelPenalty>
153         <CancelPenalty ConfirmClassCode="CancelPolicy">
154             <Deadline OffsetDropTime="BeforeArrival"
155                 OffsetTimeUnit="Day" OffsetUnitMultiplier="30"/>
156             <AmountPercent BasisType="FullStay"
157                 NmbrOfNights="1" Percent="60.00"/>
158         </CancelPenalty>
159         <CancelPenalty ConfirmClassCode="NoShowPolicy">
160             <Deadline/>
161             <AmountPercent BasisType="FullStay"
162                 NmbrOfNights="1" Percent="40.00"/>
163         </CancelPenalty>
164     </CancelPolicies>
165     <GuaranteePolicies>
166         <GuaranteePolicy GuaranteeCode="5" GuaranteeType="Deposit"/>
167     </GuaranteePolicies>
168     <PaymentPolicies>
169         <GuaranteePayment GuaranteeCode="5" GuaranteeType="Deposit"
170             PolicyCode="49">
171             <AmountPercent Amount="15"/>
172             <Deadline OffsetTimeUnit="FullDuration" OffsetUnitMultiplier="1"/>
173         </GuaranteePayment>
174     </PaymentPolicies>
175     <Fees>
176         <Fee Code="24" Percent="5" DecimalPlaces="2" RPH="WeekDaySupplements"/>
177     </Fees>
178 </TPA_Extensions>
179 <BaseByGuestAmts>
180     <BaseByGuestAmt AmountAfterTax="30.00" CurrencyCode="EUR"
181         DecimalPlaces="2" Code="ChildBasePrice"/>
182     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="55.00"
183         CurrencyCode="EUR" AgeQualifyingCode="10"
184         DecimalPlaces="2" Code="PP" Type="1"/>
185     <BaseByGuestAmt AmountAfterTax="30.00" CurrencyCode="EUR"
186         DecimalPlaces="2"/>
187     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00"
188         CurrencyCode="EUR" DecimalPlaces="2" Code="NET"/>
189     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="60.00"
190         CurrencyCode="EUR" DecimalPlaces="2" Code="OTHER"/>
191     <BaseByGuestAmt NumberOfGuests="1" AmountAfterTax="56.40"
192         CurrencyCode="EUR" MinAge="0" MaxAge="10"
193         DecimalPlaces="2" Code="CD" Type="50"/>
194     <BaseByGuestAmt NumberOfGuests="2" AmountAfterTax="76.40"
195         CurrencyCode="EUR" MinAge="0" MaxAge="10"
196         DecimalPlaces="2" Code="CD" Type="50"/>
197 </BaseByGuestAmts>

```

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```

198         <Rate RateTier="1">
199             <RateDescription Name="BasePriceCalculationLogic"/>
200         </Rate>
201         <Rate RateTier="1">
202             <RateDescription Name="BasePriceCalculationLogic"/>
203         </Rate>
204         <Rate RateTier="1">
205             <RateDescription Name="StayPolicy"/>
206         </Rate>
207         <Rate RateTier="1">
208             <RateDescription Name="StaySupplementApply"/>
209         </Rate>
210         <Rate Duration="P3D">
211             <RateDescription Name="LongStayDiscount"/>
212             <Fees>
213                 <Fee Amount="4.00" Code="24"/>
214             </Fees>
215         </Rate>
216         <Rate Duration="P2D">
217             <RateDescription Name="ShortStaySurcharge"/>
218             <Fees>
219                 <Fee Amount="3.00" Code="24"/>
220             </Fees>
221         </Rate>
222         <Rate Sun="True" Sat="False" Fri="False" Thur="False" Weds="False"
223             Tue="False" Mon="False">
224
225         <!--Availability Blocking: Accommodation can block the availability for the weekdays
226             for a given particular room by the above xml. 'Name' attribute should always be as
227             'AvailableDays' to achieve availability blocking.-->
228
229             <RateDescription Name="AvailableDays"/>
230         </Rate>
231     </TPA_Extensions>
232 </Rate>
233 </Rates>
234 </RoomRate>
235 </RoomRates>
236 </RoomStay>
237 </RoomStays>
238 <TPA_Extensions>
239     <ResponseTime ProcessTime="0.028" ProcessTimeUnit="Seconds"
240         RequestStartTime="2011-07-05 11:07:43.526"
241         ResponseEndTime="2011-07-05 11:07:43.554"/>
242 </TPA_Extensions>
243 </OTA_HotelAvailRS>

```

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Back to OTA-Messages : [Availability Request \(OTA_HotelAvailRQ/RS\)](#)

5.8 OTA_HotelSearchRQ/RS

5.8.1 Request Message (OTA_HotelSearchRQ) for PMS

This message is requested by PMS (using PMS Credentials) to fetch the list of Objects connected to a specific Software and for all Softwares. And also the list of Objects created by specific PMS.

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelSearchRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      TimeStamp="2006-10-17T09:30:47" Target="Production" Version="3.30"
4      PrimaryLangID="de" AltLangID="en-us" MaxResponses="1"
5      ResponseType="PropertyList">
6      <POS>
7          <Source AgentSine="XXXX" AgentDutyCode="XXXXX">
8              <BookingChannel Type="4"/>
9          </Source>
10     </POS>
11
12     <!-- Requesting the list of Objects created by PMS.-->
13
14     <Criteria>
15     </Criteria>
16
17
18     <!-- OR -->
19     <!-- Requesting the list of Objects connected to all softwares of the given PMS.-->
20
21     <Criteria>
22         <Criterion/>
23     </Criteria>
24
25     <!-- OR -->
26     <!-- Requesting the list of Objects connected to specific Software ID of the given PMS.-->
27
28     <Criteria>
29         <Criterion InfoSource="XX"/>
30     </Criteria>
31     <!-- Here InfoSource="XX" indicates Software ID. -->
32
33     </Criteria>
34 </OTA_HotelSearchRQ>
```

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5.8.2 Response Message (OTA_HotelSearchRS) for PMS

```
1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelSearchRS PrimaryLangID="de" TimeStamp="2013-09-03T09:45:06"
3      TransactionIdentifier="97923ba8-a820-44e4-92fb-2af1f11ed35b-85346226"
4      Version="3.20" xmlns="http://www.opentravel.org/OTA/2003/05">
5      <Success/>
6      <Properties>
7          <Property HotelCode="122" HotelCodeContext="CLTZ" HotelName="Ananth Hotels Pvt Ltd">
8              <Address FormattedInd="false">
9                  <StreetNmbr><![CDATA[test street]]></StreetNmbr>
10                 <CityName><![CDATA[test city]]></CityName>
11                 <PostalCode><![CDATA[123123]]></PostalCode>
12                 <StateProv><![CDATA[Berlin]]></StateProv>
13                 <CountryName><![CDATA[Deutschland]]></CountryName>
14             </Address>
15             <Services>
16                 <Service>
17                     <Description ContentData="Online" Name="BookingService"/>
18                 </Service>
19             </Services>
20         </Property>
21         <Property HotelCode="12400" HotelCodeContext="CLTZ" HotelName="CultSwitchDocHotel">
22             <Address FormattedInd="false">
23                 <StreetNmbr><![CDATA[Oberlandshaag 72]]></StreetNmbr>
24                 <CityName><![CDATA[Feldkirchen/Aschach-Donau]]></CityName>
25                 <PostalCode><![CDATA[4101]]></PostalCode>
26                 <StateProv><![CDATA[Salzburg]]></StateProv>
27                 <CountryName><![CDATA[Österreich]]></CountryName>
28             </Address>
29             <Services>
30                 <Service>
31                     <Description ContentData="Online" Name="BookingService"/>
32                 </Service>
33             </Services>
34         </Property>
35     </Properties>
```

```

34 </Property>
35 <Property HotelCode="38113" HotelCodeContext="CLTZ" HotelName="The Tendulkar's">
36   <Address FormattedInd="false">
37     <StreetNmbr><![CDATA[Cultuzz Building, Akkayyapalem]]></StreetNmbr>
38     <CityName><![CDATA[Visakhapatnam]]></CityName>
39     <PostalCode><![CDATA[530016]]></PostalCode>
40     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
41     <CountryName><![CDATA[Indien]]></CountryName>
42   </Address>
43   <Services>
44     <Service>
45       <Description ContentData="Offline" Name="BookingService"/>
46     </Service>
47   </Services>
48 </Property>
49 <Property HotelCode="38135" HotelCodeContext="CLTZ" HotelName="The hjhuih's">
50   <Address FormattedInd="false">
51     <StreetNmbr><![CDATA[Cultuzz Building, Akkayyapalem]]></StreetNmbr>
52     <CityName><![CDATA[Visakhapatnam]]></CityName>
53     <PostalCode><![CDATA[530016]]></PostalCode>
54     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
55     <CountryName><![CDATA[Indien]]></CountryName>
56   </Address>
57   <Services>
58     <Service>
59       <Description ContentData="Offline" Name="BookingService"/>
60     </Service>
61   </Services>
62 </Property>
63 <Property HotelCode="38137" HotelCodeContext="CLTZ" HotelName="The hrtyr't's">
64   <Address FormattedInd="false">
65     <StreetNmbr><![CDATA[Cultuzz Building, Akkayyapalem]]></StreetNmbr>
66     <CityName><![CDATA[Visakhapatnam]]></CityName>
67     <PostalCode><![CDATA[530016]]></PostalCode>
68     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
69     <CountryName><![CDATA[Indien]]></CountryName>
70   </Address>
71   <Services>
72     <Service>
73       <Description ContentData="Offline" Name="BookingService"/>
74     </Service>
75   </Services>
76 </Property>
77 <Property HotelCode="38356" HotelCodeContext="CLTZ" HotelName="CultSwitchDocHotel">
78   <Address FormattedInd="false">
79     <StreetNmbr><![CDATA[DwarakaNagar 3rd Lane]]></StreetNmbr>
80     <CityName><![CDATA[Visakhapatnam]]></CityName>
81     <PostalCode><![CDATA[530016]]></PostalCode>
82     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
83     <CountryName><![CDATA[Indien]]></CountryName>
84   </Address>
85   <Services>
86     <Service>
87       <Description ContentData="Offline" Name="BookingService"/>
88     </Service>
89   </Services>
90 </Property>
91 <Property HotelCode="38357" HotelCodeContext="CLTZ" HotelName="CultSwitchDocHotel">
92   <Address FormattedInd="false">
93     <StreetNmbr><![CDATA[DwarakaNagar 3rd Lane]]></StreetNmbr>
94     <CityName><![CDATA[Visakhapatnam]]></CityName>
95     <PostalCode><![CDATA[530016]]></PostalCode>
96     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
97     <CountryName><![CDATA[Indien]]></CountryName>
98   </Address>
99   <Services>
100     <Service>
101       <Description ContentData="Offline" Name="BookingService"/>
102     </Service>
103   </Services>
104 </Property>
105 <Property HotelCode="38358" HotelCodeContext="CLTZ" HotelName="CultSwitchDocHotel">
106   <Address FormattedInd="false">
107     <StreetNmbr><![CDATA[DwarakaNagar 3rd Lane]]></StreetNmbr>
108     <CityName><![CDATA[Visakhapatnam]]></CityName>
109     <PostalCode><![CDATA[530016]]></PostalCode>
110     <StateProv><![CDATA[Andhra Pradesh]]></StateProv>
111     <CountryName><![CDATA[Indien]]></CountryName>
112   </Address>
113   <Services>
114     <Service>
115       <Description ContentData="Offline" Name="BookingService"/>
116     </Service>
117   </Services>
118 </Property>
119 <Property HotelCode="38371" HotelCodeContext="CLTZ" HotelName="CRC Demo Test object">
120   <Address FormattedInd="false">

```

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```

121         <StreetNmbr><![CDATA[test]]></StreetNmbr>
122         <CityName><![CDATA[testing]]></CityName>
123         <PostalCode><![CDATA[2824382748]]></PostalCode>
124         <StateProv><![CDATA[Bangladesh]]></StateProv>
125         <CountryName><![CDATA[Bangladesh]]></CountryName>
126     </Address>
127     <Services>
128         <Service>
129             <Description ContentData="Offline" Name="BookingService"/>
130         </Service>
131     </Services>
132 </Property>
133 </Properties>
134 <TPA_Extensions>
135     <ResponseTime ProcessTime="0.725" ProcessTimeUnit="Seconds"
136     RequestStartTime="2013-09-03 09:45:06.288" ResponseEndTime="2013-09-03 09:45:07.013"/>
137 </TPA_Extensions>
138 </OTA_HotelSearchRS>

```

Back to OTA-Messages : [Accommodation Search \(OTA_HotelSearchRQ/RS\)](#)

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5.9 OTA_CancelRQ/RS

Existing bookings can be cancelled via general OTA-message called OTA_CancelRQ. In the initial version 3.1.5, Cancel Request is allowed for PMS as well.

5.9.1 Request Message (OTA_CancelRQ)

```
1 <OTA_CancelRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2011-07-05T11:21:00"
2     Target="Production" Version="3.30" PrimaryLangID="en" CancelType="Cancel">
3     <POS>...</POS>
4
5     <!-- By the different values of the attribute CancelType IN-REAL-TIME!! only 'Cancel'
6          will be supported, and it will be notified via this message that a completed
7          booking should be cancelled. -->
8
9     <!-- According to the noted authentication, the booking which should be cancelled can
10          be identified by two UniqueID elements. -->
11
12     <UniqueID Type="15" ID="644988" ID_Context="CLTZ"/>
13
14     <!-- The first UniqueID element with attribute type="15" shows that the cancellation
15          has been made and the accordant booking number (Booking_ID) is then
16          allocated in the attribute ID (Booking_ID). -->
17
18     <UniqueID Type="1" ID="663914" ID_Context="CLTZ"/>
19
20
21     <!-- In general, it is always relevant to differentiate between a cancellation made
22          by an offerer (accommodation) or by a guest. For this, second UniqueID element
23          will be used. -->
24
25     <!-- If the attribute type has the value '1', this indicates that the cancellation was
26          made by the customer and inside the attribute ID the respective Bucher_ID
27          will be provided. -->
28
29     <!-- If the cancellation was made by the accommodation, the value of the "Type" attribute
30          must be '10' and inside the attribute ID, a unique identifier of the member of the
31          accommodation team should be transferred. -->
32
33     <TPA_Extensions>
34         <Reasons>
35             <Reason Language="en" Type="Test Cancellation"></Reason>
36         </Reasons>
37
38     <!-- Reason(s) for cancellation could be provided within the element 'Reason'. The
39          reason could be specified as a value to the attribute 'Type'. -->
40
41     </TPA_Extensions>
42 </OTA_CancelRQ>
```

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5.9.2 Response Message (OTA_CancelRS)

The CancelResponse message provides the List of Cancellation Policies along with Success response to the Channels if 'isReuestForListinglist' feature is enabled. Otherwise Channel can only receive Success response in CancelResponse message when a cancellation request is initiated. CultSwitch provides extra information with the "Cancellation Policies" in <TPA_Extentions> element that indicates whether the policy was applied or Met.

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_CancelRS PrimaryLangID="en" Status="Cancelled" Target="Production"
3     TimeStamp="2011-07-05T11:21:00"
4     TransactionIdentifier="clec3949-15a9-4a1f-8f19-8552aa2c7752--1123123773"
5     Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6
7     <!-- The attribute 'Status' shows the type of response, but there must be a Success
8          element also. -->
9
10    <Success/>
11
12    <!-- If the cancellation failed due to any of the reasons, then it returns an error.
13
```

```

14     <Errors>
15     <Error Code="0" Type="3">
16         <![CDATA[The booking wasn't made in the context of the actual distributor.]]>
17     </Error>
18 </Errors>
19 -->
20     <UniqueID ID="644988" Type="15"/>
21
22 <!-- The value of '15' for attribute 'Type' refers to OTA-CodeTable UniqueIDType
23      (UIT) and specifies the following ID as a "CancellationId". -->
24
25     <TPA_Extensions>
26
27 <!-- If Client enables "isReuestForListinglist" feature then Cultswitch sends the
28      list of Cancellation Policies along with Success response in <TPA_Extension>
29      element -->
30
31     <CancelPenalties CancelPolicyIndicator="true">
32         <CancelPenalty ConfirmClassCode="CancelPolicy">
33             <Deadline OffsetTimeUnit="Day" OffsetUnitMultiplier="10"
34                 OffsetDropTime="BeforeArrival"/>
35             <AmountPercent NmbrOfNights="2" BasisType="Nights"/>
36             <PenaltyDescription Name="txt:name">
37                 <Text Language="en"><![CDATA[Name of Policy]]></Text>
38             </PenaltyDescription>
39             <PenaltyDescription Name="txt:description_long">
40                 <Text Language="en"><![CDATA[2 days before arrival]]></Text>
41             </PenaltyDescription>
42         </CancelPenalty>
43         <CancelPenalty ConfirmClassCode="CancelPolicy">
44             <Deadline OffsetTimeUnit="Day" OffsetUnitMultiplier="32"
45                 OffsetDropTime="BeforeArrival"/>
46             <AmountPercent NmbrOfNights="2" BasisType="Nights"/>
47             <PenaltyDescription Name="txt:name">
48                 <Text Language="en"><![CDATA[Name of Policy]]></Text>
49             </PenaltyDescription>
50             <PenaltyDescription Name="txt:description_long">
51                 <Text Language="en"><![CDATA[2 days before arrival]]></Text>
52             </PenaltyDescription>
53             <PenaltyDescription Name="Status">
54                 <Text Language="en"><![CDATA[Cancel penalty was Applied]]></Text>
55             </PenaltyDescription>
56         </CancelPenalty>
57         <CancelPenalty ConfirmClassCode="CancelPolicy">
58             <Deadline OffsetTimeUnit="Day" OffsetUnitMultiplier="1"
59                 OffsetDropTime="BeforeArrival"/>
60             <AmountPercent BasisType="FullStay" Amount="0"/>
61             <PenaltyDescription Name="txt:name">
62                 <Text Language="en"><![CDATA[Name of Policy]]></Text>
63             </PenaltyDescription>
64             <PenaltyDescription Name="txt:description_long">
65                 <Text Language="en"><![CDATA[2 days before arrival]]></Text>
66             </PenaltyDescription>
67             <PenaltyDescription Name="Status">
68                 <Text Language="en"><![CDATA[Cancel penalty was met]]></Text>
69             </PenaltyDescription>
70         </CancelPenalty>
71     </CancelPenalties>
72     <ResponseTime ProcessTime="3.554" ProcessTimeUnit="Seconds"
73         RequestStartTime="2011-07-05 11:20:57.385"
74         ResponseEndTime="2011-07-05 11:21:00.939"/>
75 </TPA_Extensions>
76 </OTA_CancelRS>

```

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Back to OTA-Messages : [Reservation Cancellations \(OTA_CancelRQ/RS\)](#)

5.10 OTA_CancelRQ/RS for "No-Show" by PMS

The system records a No-Show by a guest for a booking, using OTA_CancelRQ sent by PMS.

5.10.1 Request Message No-Show (OTA_CancelRQ)

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_CancelRQ xmlns="http://www.opentravel.org/OTA/2003/05" TimeStamp="2011-07-11T13:01:00"
3 Target="Production" Version="3.30" PrimaryLangID="en" AltLangID="en" CancelType="Modify">
4
5 <!-- The attribute 'CancelType' must have a value of "Modify" for specifying No-Show. -->
6
7 <POS>...</POS>
8 <UniqueID Type="18" ID="644988" ID_Context="CLTZ"
9 URL="urn:cultuzz:cultswitch:xml:request:cancelrq:noshow"/>
10 <UniqueID Type="10" ID="12400" ID_Context="CLTZ" />
11
12 <!-- The "UniqueID" element with attribute Type="18" ("Other" as per OTA CodeList "UIT"),
13 specifies that the No-Show is being informed by the PMS and the accordant booking
14 number is then specified in the attribute ID (Booking_ID).-->
15
16 <!-- Having a value of "urn:cultuzz:cultswitch:xml:request:cancelrq:noshow" for
17 attribute 'URL' is must, in order to understand this request is for a No-Show. -->
18
19 <!-- The "UniqueID" element with attribute Type="10" specifies accommodation and holds
20 accommodation id under the attribute 'ID'. -->
21
22 <TPA_Extensions>
23 <Reasons>
24 <Reason Language="en" Type="reason for test NoShow"></Reason>
25 </Reasons>
26 </TPA_Extensions>
27 </OTA_CancelRQ>
```



5.10.2 Response Message No-Show (OTA_CancelRS)

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <OTA_CancelRS Status="Unsuccessful" Target="Production"
3 TimeStamp="2011-07-11T13:01:02"
4 TransactionIdentifier="933d22d8-7338-428c-85e0-42bdbbf96ee5--401574288"
5 Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6
7 <!-- The attribute 'Status' shows the type of response, but there must be a Success
8 element also. -->
9
10 <Success/>
11
12 <!-- If No-Show update failed, then it returns an error.
13
14 <Errors>
15 <Error Code="0" Type="3">
16 <![CDATA[The Arrival date is in Future! Please cancel the Booking using OTA_CancelRQ.]]>
17 </Error>
18 </Errors>
19 -->
20
21 <TPA_Extensions>
22 <ResponseTime ProcessTime="2.044" ProcessTimeUnit="Seconds"
23 RequestStartTime="2011-07-11 13:01:00.782"
24 ResponseEndTime="2011-07-11 13:01:02.826"/>
25 </TPA_Extensions>
26 </OTA_CancelRS>
```

Back to OTA-Messages : [No-Show Update \(OTA_CancelRQ/RS\)](#)

6 Channel Management Data

Cultuzz Channel Management, provides the possibility that a particular channel is treated differently from other channels.

CultSwitch supports five channel level modules. Here always CodeContext should be "ChannelManagementInfo", 'Name' holds name of the channel, 'DistributorID' specifies channel id. Module should be identified by module id. Whatever is channel-specific (not product-specific) must be entered here:

Module 1:Channel Allotment

Module 2:Channel Blockout Periods

Module 3:Channel Maximum Number of Rooms per Booking

Module 4:Channel Surcharge OR Reduction

Module 5:Channel Guaranteed Allotment

Module 6:Channel MinStay

Channel Allotment(Max Allotment) : The hotelier wants to restrict the number of bookings which he wants to accept from this channel (per day, per week, per month). Allotment contracts are used to designate a certain block of hotel rooms to a channel for a specific period of time. Hotelier can restrict number of rooms allotted for a channel for each day .

Channel Blockout Periods : The hotelier doesn't want any booking from this channel for a stay within the blockout period. The channel is closed for these dates (availabilities are zero).

At the request of many hoteliers we allow to blockout particular room types only (instead of blocking the channel as a whole).

Channel Maximum Number of Rooms per Booking : The hotelier wants to restricts the number of sold rooms per bookings in this channel. For clarity, if "Maximum number of rooms per booking" = 2, then two rooms is the maximum number of rooms in a single booking but the channel can continue to sell rooms until the availability is zero.

Channel Surcharge OR Reduction : The hotelier wants to price this channel differently to other channels. He wants this channel to be cheaper or more expensive, based on room types and/or for a limited period. Surcharge, adds the specified amount to the original price and Reduction, reduces the specified price from the original price.

Channel Guaranteed Allotment(Min Allotment) : Allotment contracts are used to designate a certain block of hotel rooms to a channel for a specific period of time. The allotment can be guaranteed or non-guaranteed. While the non-guaranteed allotment is subject to reduction at the hotel's discretion the guaranteed allotment cannot be reduced by the hotel. The hotel must guarantee 100% of the rooms assigned to this channel until the release time has been reached. The release time is a certain number of days prior to the arrival day when any unsold rooms is released back to the hotel (e.g. four days prior to arrival day).

Channel MinStay : The Hotelier requests to activate or deactivate the MinStay for specific Channels for a particular duration per room.



6.1 Set Channel Management Data

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <OTA_HotelDescriptiveContentNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3   Timestamp="2011-07-05T09:40:00" Target="Production" Version="3.30"
4   PrimaryLangID="en">
5   <POS>...</POS>
6   <HotelDescriptiveContents>
7     <HotelDescriptiveContent CurrencyCode="EUR" LanguageCode="EN" Overwrite="true"
8       HotelCode="12400" HotelCodeContext="CLTZ">
9     <TPA_Extensions>
10      <ChannelInfos>
11        <ChannelInfo CodeContext="ChannelManagementInfo"
12          DistributorID="2" ExtDistType="0" Name="eBay" Type="2">
13        <Modules>
14
15        <!-- Each 'Module' element specifies module id and name under the attributes 'ID' and
16         'Name'. 'Status' specifies whether that particular module is active or not by the
17         strings Active/Deactive. -->
18
19        <!-- The following each and every module is applicable for the channel specified under
20         <ChannelInfo>. -->
21
22        <Module ID="1" Name="maximum"
23          NameExtern="Kontingent" Status="Active" Type="Local">
24          <Policies>
25            <Policy CodeDetail="RoomTypeCode"
26              Duration="P1D" Quantity="3" RoomTypeCode="27388"/>
27          </Policies>
28        </Module>
29        <Module ID="2" Name="dayblock" NameExtern="Sperrzeiten"
30          Status="Deactive" Type="Local">
31          <Policies>
32            <Policy RoomTypeCode="27388" CodeDetail="RoomTypeCode"
33              Start="2011-08-16T00:00:00" End="2011-08-16T00:00:00"/>
34          </Policies>
35        </Module>
36        <Module ID="3" Name="maxrooms"
37          NameExtern="Maximum number of rooms per booking"
38          Status="Deactive" Type="Local">
39          <Policies>
40            <Policy Quantity="3"/>
41          </Policies>
42        </Module>
43        <Module ID="4" Name="auf_ab_preis" NameExtern="Aufschlag / Abschlag"
44          Status="Deactive" Type="Local/Global">
45          <Policies>
46            <Policy RoomTypeCode="27388" CodeDetail="RoomTypeCode"
47              Start="2011-08-18T00:00:00" End="2011-08-20T00:00:00"
48              Pointer="0" Round="4" Amount="20" PriceCode="Surcharge/Reduction"/>
49          </Policies>
50        </Module>
51        <Module ID="6" Name="stay" Status="Active" Type="Local">
52
53        <!-- In order to Deactivate Minstay, the attribute "Status" should be set as "Deactive"
54         (Status="Deactive") and the attribute "Removal" should be set as "true" (Removal="true")
55         along with a particular "RecordID" (RecordID="57216645"). -->
56
57        <Policies>
58          <Policy RoomTypeCode="34278" CodeDetail="RoomTypeCode" Start="2013-07-08T00:00:00"
59            End="2013-07-21T00:00:00" MinStay="2" Pointer="0"/>
60        </Policies>
61      </Module>
62
63      <!-- 'Round' attribute specifies positions to be rounded in the final calculated amount
64       after applying Surcharge/Reduction. Initially 'Pointer' value should be '0'.
65       Pointer can be used to manage the merged timespan orderings. -->
66
67      </Modules>
68    </ChannelInfo>
69  </ChannelInfos>
70 </TPA_Extensions>
71 <Policies>
72   <Policy CodeDetail="GuaranteedAllotment_Status">
73     <PolicyInfoCodes>
74       <PolicyInfoCode Code="6484" CodeContext="DistributorID" ExistsCode="1"/>
75
76     <!-- Here the attribute ExistsCode="1" indicates Active and ExistsCode="2"
77      indicates Deactive. -->
78
79     </PolicyInfoCodes>
80   </Policy>
81   <Policy Start="2013-08-20" End="2014-10-21" Code="27388"
82     CodeDetail="GuaranteedAllotment_RoomTypeCode" Duration="P2D">
83     <PolicyInfoCodes>
84       <PolicyInfoCode CodeContext="DistributorID" Code="6484" Quantity="3"/>
```

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```

85     </PolicyInfoCodes>
86
87     <!-- The Guaranteed Allotment for a particular channel could be provided with 'Policy'
88          element by providing the value of "GuaranteedAllotment_RoomTypeCode" with attribute
89          'CodeDetail' and the RoomTypeCode for which this allotment needs to be considered is
90          specified with attribute 'Code'. The attributes 'Start' and 'End' specifies the date
91          range within which the enclosed Guaranteed Allotment is valid. The attribute 'Durat-
92          ion' specifies the Release Time that accompanies this Guaranteed Allotment. The
93          value of Duration, as per the rules at http://www.w3.org/TR/xmlschema-2/#duration.
94          Ex: P1M2D specifies 1 month + 2 days. .
95     -->
96
97     <!-- Within the element 'PolicyInfoCode', the channel to which this Guaranteed Allotment
98          applies can be specified within attribute 'Code' where as the attribute 'CodeContext'
99          with value "ChannelID" specifies that the given ID within 'Code' is a channel ID.
100     The Guaranteed Allotment value can be specified with attribute 'Quantity'. Multiple
101     'PolicyInfoCode' elements can be used for Guaranteed Allotments for various Channels.
102 -->
103 </Policy>
104 </Policies>
105 </HotelDescriptiveContent>
106 </HotelDescriptiveContents>
107 </OTA_HotelDescriptiveContentNotifRQ>

```

Response

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```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelDescriptiveContentNotifRS PrimaryLangID="en"
3      Target="Production" TimeStamp="2011-08-01T09:56:01"
4      TransactionIdentifier="1514dc61-14f9-463a-94e0-19ce2323f2fa--1484716196"
5      Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6      <Success/>
7      <TPA_Extensions>
8          <ResponseTime ProcessTime="2.453" ProcessTimeUnit="Seconds"
9              RequestStartTime="2013-02-01 09:40:01.213"
10              ResponseEndTime="2013-02-01 09:56:03.666"/>
11      </TPA_Extensions>
12  </OTA_HotelDescriptiveContentNotifRS>

```

6.2 Get Channel Management Data

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelDescriptiveInfoRQ xmlns="http://www.opentravel.org/OTA/2003/05"
3      TimeStamp="2011-07-05T09:56:01" Target="Production"
4      Version="3.30" PrimaryLangID="en">
5      <POS>...</POS>
6      <HotelDescriptiveInfos>
7          <HotelDescriptiveInfo HotelCode="12400" HotelCodeContext="CLTZ">
8
9          <!-- The specific HotelID for which the descriptive info is to be requested, needs to
10               be specified with the attribute 'AccommodationCode'. For a detailed accommodation
11               information, each of the following elements may be used but not mandatory. -->
12
13          <Policies SendPolicies="1" />
14
15          <!-- To get Guaranteed Allotment policies -->
16
17          <ContentInfos>
18              <ContentInfo Name="ChannelManagementInfo" />
19
20          <!-- Provides channel level information with respect to moduleID.
21
22              <ContentInfo Name="ChannelManagementInfo" Code="DistributorID:moduleID"/>
23
24              For example, <ContentInfo Name="ChannelManagementInfo" Code="XXXX:2"/>
25
26              This provides channel information for the module dayblock (1-maximum, 2-dayblock,
27              3-maxrooms, 4-auf_ab_preis, 5-Guaranteed Allotment) for the channelID 'XXXX'. -->
28
29          </ContentInfos>
30      </HotelDescriptiveInfo>
31  </HotelDescriptiveInfos>
32  </OTA_HotelDescriptiveInfoRQ>

```

Response

```

1  <?xml version="1.0" encoding="UTF-8"?>
2  <OTA_HotelDescriptiveInfoRS PrimaryLangID="en" Target="Production"

```

```

3   timeStamp="2013-03-01T10:42:44"
4   TransactionIdentifier="39432a06-cbea-4a92-8e25-a5158e160815-1268286432"
5   Version="3.30" xmlns="http://www.opentravel.org/OTA/2003/05">
6   <Success/>
7   <HotelDescriptiveContents>
8     <HotelDescriptiveContent HotelCode="12400" HotelCodeContext="CLTZ"
9       HotelName="Hotel Li Graniti" LanguageCode="en" CurrencyCode="EUR">
10      <TPA_Extensions>
11        <ChannelInfos>
12          <ChannelInfo CodeContext="ChannelManagementInfo"
13            DistributorID="2" ExtDistType="0" Name="eBay" Type="2">
14            <Modules>
15              <Module ID="1" Name="maximum"
16                NameExtern="Kontingent" Status="Active" Type="Local">
17                <Policies>
18                  <Policy CodeDetail="RoomTypeCode"
19                    Duration="P1D" Quantity="3" RoomTypeCode="27388"/>
20                </Policies>
21              </Module>
22              <Module ID="2" Name="dayblock" NameExtern="Sperrzeiten"
23                Status="Deactive" Type="Local">
24                <Policies>
25                  <Policy RoomTypeCode="27388" CodeDetail="RoomTypeCode"
26                    Start="2011-08-16T00:00:00" End="2011-08-16T00:00:00"/>
27                </Policies>
28              </Module>
29              <Module ID="3" Name="maxrooms"
30                NameExtern="Maximum number of rooms per booking"
31                Status="Deactive" Type="Local">
32                <Policies>
33                  <Policy Quantity="3"/>
34                </Policies>
35              </Module>
36              <Module ID="5" Name="auf_ab_preis" NameExtern="Aufschlag / Abschlag"
37                Status="Deactive" Type="Local">
38                <Policies>
39                  <Policy RoomTypeCode="27388" CodeDetail="RoomTypeCode"
40                    Start="2011-08-18T00:00:00" End="2011-08-20T00:00:00"
41                    Pointer="0" Round="4" Amount="20" PriceCode="Surcharge"/>
42                </Policies>
43              </Module>
44              <Module ID="6" Name="Stay" Type="Local">
45
46                <!-- Channel Stay : Hotelier can restrict minimum and maximum stay
47                  for the booking for a particular duration per room . -->
48
49                <Policies>
50                  <Policy RoomTypeCode="27388" CodeDetail="RoomTypeCode"
51                    Start="2011-06-16T00:00:00" End="2011-08-16T00:00:00"
52                    Pointer="0" MinStay="2" MaxStay="999" />
53                </Policies>
54              </Module>
55            </Modules>
56          </ChannelInfo>
57        </ChannelInfos>
58      </TPA_Extensions>
59    </Policies>
60    <Policy CodeDetail="GuaranteedAllotment_Status">
61      <PolicyInfoCodes>
62        <PolicyInfoCode Code="6484" CodeContext="DistributorID" ExistsCode="1"/>
63
64      <!-- Here the attribute ExistsCode="1" indicates Active and ExistsCode="2"
65        indicates Deactive. -->
66
67      </PolicyInfoCodes>
68    </Policy>
69    <Policy Start="2013-08-20" End="2014-10-21" Code="27388"
70      CodeDetail="GuaranteedAllotment_RoomTypeCode" Duration="P2D">
71      <PolicyInfoCodes>
72        <PolicyInfoCode CodeContext="DistributorID" Code="6484" Quantity="3"/>
73      </PolicyInfoCodes>
74
75      <!-- The Guaranteed Allotment for a particular channel could be provided with 'Policy'
76        element by providing the value of "GuaranteedAllotment_RoomTypeCode" with attribute
77        'CodeDetail' and the RoomTypeCode for which this allotment needs to be considered is
78        specified with attribute 'Code'. The attributes 'Start' and 'End' specifies the date
79        range within which the enclosed Guaranteed Allotment is valid. The attribute 'Durat-
80        ion' specifies the Release Time that accompanies this Guaranteed Allotment. The
81        value of Duration, as per the rules at http://www.w3.org/TR/xmlschema-2/#duration.
82        Ex: P1M2D specifies 1 month + 2 days. . -->
83
84      <!-- Within the element 'PolicyInfoCode', the channel to which this Guaranteed Allotment
85        applies can be specified within attribute 'Code' where as the attribute 'CodeContext'
86        with value "ChannelID" specifies that the given ID within 'Code' is a channel ID.
87        The Guaranteed Allotment value can be specified with attribute 'Quantity'. Multiple
88        'PolicyInfoCode' elements can be used for Guaranteed Allotments for various Channels. -->

```

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```
90         </Policy>
91     </Policies>
92 </HotelDescriptiveContent>
93 </HotelDescriptiveContents>
94 <TPA_Extensions>
95     <ResponseTime ProcessTime="0.376" RequestStartTime="2013-03-01 10:42:44.257"
96         ProcessTimeUnit="Seconds" ResponseEndTime="2013-03-01 10:42:44.633"/>
97 </TPA_Extensions>
98 </OTA_HotelDescriptiveInfoRS>
```

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7 CultSwitch Spreadsheets

7.1 Inventory Count Type (INV)

OTA-INV	otaDescription
1	Physical
2	Definitive availability
3	Tentative availability
4	Definite sold
5	Tentative sold
6	Out of order
7	Not available for sale
8	Out of inventory
9	Off market
10	Under renovation
11	Under construction

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Table 3: Inventory Count Type

7.2 Supported Guarantee Types

Guarantee Code	Guarantee Type	Description	OTA_Code
1	None	Direct booking	Yes
2	GuaranteeRequired (email verification)	After generating a reservation, the relevant customer received an email with the verification link	Yes
3	CC/DC/Voucher (Credit card)	The hotel wants valid Credit card data	Yes
4	Profile	Profile	Yes
5	Deposit	Deposit	Yes
6	PrePay	PrePay	Yes
7	OnArrival	On Arrival	Yes
8	OnDeparture	On Departure	Yes

Table 4: Supported Guarantee Types

The value of the 'GuaranteeCode' corresponds to the value of the attribute 'ReqdGuaranteeType' in the Room Type elements within an OTA_HotelAvailRS message, the highest value is used for the whole reservation.

7.3 Supported Credit Cards

CardCode	Issuer
AC	Argencard
AU	Australian BankCard
AX	AmericanExpress
BA	Bancontact
BC	Bankcard
BL	Carte Bleue
CA	MasterCard/EuroCard
CB	CardeBlanche
CH	Chipper
CL	Cabal
CS	CartaSi
DC	DinersClub
DR	Dragon
DS	Discover
EF	Eftpos
EV	Expedia Virtual Card
GW	Greatwall
JC	JapanCreditBureau
JS	Jin Sui
MS	Maestro
NI	NICOS
OT	Other Cards
PA	Pacific
PE	Peony
PI	PIN
RC	Red Compra
RE	Red 6000
SO	Solo
SW	Switch
UC	UC
VI	Visa
MC	Mastercard VAN

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Table 5: Supported Credit Cards

7.4 Reference Point Category Code (RFF)

OTA-RFF	Appellation (CSI) Hotel facilities
1	Airport
2	Amusement park
3	Arena
4	Bar
5	Bay
6	Beach
7	Boat dock
8	Bus station
9	Church
10	City center
11	Corporation
12	Educational institution
13	Ferry station
14	Financial district
15	Financial institution
16	Lake
17	Landmark
18	Library
19	Marina
20	Market
21	Medical facility
22	Metro/subway station
23	Monument
24	Museum
25	Park
26	Racetrack
27	Restaurant
28	River
29	School
30	Shopping center
31	Sports facility
32	Synagogue
33	Town center
34	Train station
35	University
36	Zoo
37	Local area

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Table 6: Reference Point Category Code

7.5 Market Codes for Source of Business

Here, the MarketCode value will be changed according to the value of "ReqRespVersion" attribute in OTA_ReadRQ XML.

1. MarketCode indicates Channel ID value when the PMS requested with the ReqRespVersion below 3.20.
2. MarketCode indicates Distributor ID value when the PMS requested with the ReqRespVersion from 3.20 and above.

Source Of Business	Market Code/Channel_ID (Below ReqRespVersion 3.20)	Market Code/Distributor_ID (From ReqRespVersion 3.20)
Name	AccommodationID (RequestorID)	Cultuzz DistributorID
HRS	1	6484
eBay as channel		2
Booking.com	4	7563
CultBooking		6
CRC	8	9301
Expedia Quick Connect	10	6695
RatesToGo	11	7102
Feratel	15	7094
Reconline (GDS)	16	7095
Hotel.de	17	1475
Venere Connect	18	9479
Unister Ultranet	20	9909
WildEast	21	9482
TOMAS	22	10362
Lastminute	23	10423
NetHotels	24	9480
HotelSpecials	25	10785
Agoda	26	10786
LateRooms	27	13954
Tiscover_PL	28	11508
RateTiger	30	12526
Feratel Deskline 3.0	32	13002
Orbitz	33	14066
Budget Places	34	14168
Intobis	35	14166
Kururlaub	36	36760
Initialia	37	36746
Escapio	38	29948
hoteliers.com	46	42772
Secra	50	44142
Hostelworld	60	47768
Cultuzz-CultBooking Channel		13028
Hotel.de Pull		13144
Schmetterling Reisen		14638
Hotusa		54376
Despager		54154



Table 7: Market Codes for Source of Business

Source Of Business	Market Code/Channel_ID (Below ReqRespVersion 3.20)	Market Code/Distributor_ID (From ReqRespVersion 3.20)
Travelocity		11155
Hostelsclub		37628
Ehotel AG		1772
Mooon GmbH		43106
CRC-Pull		43474
Master Bookings		44644
Goibibo		56236
Homeaway		56466
Kurz-mal-weg		55478
freetimecompany		56554
ultranet/Tourini		50610
Offpeakluxery		56554
Kurzturlaub.at		55286
Trivago		51248
TripAdvisor		44431
Caesar Data		48438
GTA		52038
HotelBeds		49102
HotelRez		52212
Ostrovok		53204
TraelRepublic		48434

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Table 8: Market Codes for Source of Business

7.6 Relationship Codes (REL)

OTA-REL	Appellation	OTA_Code
1	Asset manager	Yes
2	Franchisee	Yes
3	General manager	Yes
4	Intermediary	Yes
5	Joint venture	Yes
6	LLC	Yes
7	Land owner	Yes
8	Lessee	Yes
9	Lessor	Yes
10	Manager	Yes
11	Marketing agreement	Yes
12	None	Yes
13	Owner	Yes
14	Partner JV	Yes
15	Partner minority	Yes
16	Partnership	Yes
17	Related investments	Yes
18	Subsidiary	Yes

Table 9: Relationship Codes

7.7 Recreation Srvc Detail Code (REC)

OTA-REC	Appellation	OTA_Code
16	Body wrap	Yes
21	Manicures/pedicures	Yes
22	Massages	Yes
41	Services availalble	Yes
48	Slope	Yes

Table 10: Recreation Srvc Detail Code (REC)

7.8 Attraction Category Code (ACC)

OTA-ACC	Appellation	OTA_Code
27	Library	Yes
56	Winery	Yes
73	Bar	Yes
90	Attraction Category Code	Yes
91	Bowling	Yes
100	Factory/Business Tour	Yes

Table 11: Attraction Category Code (ACC)

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7.9 Reference Point Category Code (REF)

OTA-REF	Appellation	OTA_Code
1	Airport	Yes
2	Amusement park	Yes
3	Arena	Yes
4	Bar	Yes
5	Bay	Yes
6	Beach	Yes
7	Boat dock	Yes
8	Bus station	Yes
9	Church	Yes
10	City center	Yes
11	Corporation	Yes
12	Educational institution	Yes
13	Ferry station	Yes
14	Financial district	Yes
15	Financial institution	Yes
16	Lake	Yes
17	Landmark	Yes
18	Library	Yes
19	Marina	Yes
20	Market	Yes
21	Medical facility	Yes
22	Metro/subway station	Yes
23	Monument	Yes
24	Museum	Yes
25	Park	Yes
26	Racetrack	Yes
27	Restaurant	Yes
28	River	Yes
29	School	Yes
30	Shopping center	Yes
31	Sports facility	Yes
32	Synagogue	Yes
33	Town center	Yes
34	Train station	Yes
35	University	Yes
36	Zoo	Yes
37	Local area	Yes
1001	Next Highway Exit	No
1002	Car	No

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Table 12: Reference Point Category Code

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