XML Web service (HTPWS_V01) Developer's Guide
Version 1.2

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Hotelpass Global Inc.

Introduction

Overview

The XML Web service of Hotelpass Global Inc. (hereinafter 'WHC') is based on a .Net environment and has been developed for the purpose of full duplex transmission interface.

The service consists of three parts of Reservation Search, Reservation, and Amendment/Cancellation and each service part is to be provided with detailed subordinate services.

■ Service Guide
REAL Server : http://xml.hotelpass.com/HTPWS_V01/HTPWS_V01.asmx

■ User Authentication
To access the test environment, you need Company Code, User ID, User Password to be given by WHC as per your request.
Contact email: dhkim@hotelpass.com ; angma@hotelpass.com

■ General Fields – User Authentication Fields

```
<UserInfo>
        <CompanyCode>Company ID assigned by WHC </CompanyCode>
        <UserID/>User ID assigned by WHC </UserID>
        <UserPWD/>User Password assigned by WHC</UserPWD>
</UserInfo>
```

The above fields for User Authentication allow you to access and retrieve authorized data accordingly.

Development Environments

■ Microsoft .Net

According to the basic web reference, the related service can be retrieved and connected.

■ Visual Basic 6.0

```
Set soapClient = CreateObject("MSSoap.SoapClient30")
soapClient.MSSoapInit ("http://test.hotelpass.com/WHC_WS/HTPWS_V01/HTPWS_V01.asmx?WSDL")

strResultXML = SoapRequest.BookingSearch(RequestXML)
```

■ ASP

```
<%
    Set soapClient = Server.CreateObject("MSSoap.SoapClient30")
    soapClient.ClientProperty("ServerHTTPRequest") = True

    soapClient.mssoapinit("http://xml.hotelpass.com/WHC_WS/HTPWS_V01/HTPWS_V01.asmx?WSDL")

    strResultXML = soapClient.BookingSearch(RequestXML)
%>
```

XML Services

1. Querying BaseCode

■ Service
BaseCode Request is to get basic codes for XML booking such as Nation, City, and Hotel Code.

Service Name	gfnGetBaseCode
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/BaseCode_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/BaseCode_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/BaseCode_Request.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/BaseCode_Response.xsd

■ Request
The attributes for the service request are shown below and returned data will differ depeding on the CodeKind.

CodeKind	RequestCode	
Nation	Value = Blank(empty)	
CITY	Value = Nation Code	NationCode specified by WHC
HOTEL	Value = CITY Code	CityCode specified by WHC

There are three types of CodeKind, which are **NATION**, **CITY** and **HOTEL**..
To request City Code, set RequestCode as the nation code for which you would like to receive City Code. The same way applies for Hotel Code search. Set RequestCode as the city code for which you would like to receive Hotel Code.
To request Nation, leave the field of RequestCode blank. (Refer to the above table.)

```
<RequestInfo>
 <CodeKind>NATION or CITY or HOTEL</CodeKind>
 <RequestCode></RequestCode>
</RequestInfo>
```

Ex) Nation
```
<RequestInfo>
 <CodeKind>NATION</CodeKind>
 <RequestCode></RequestCode>
```

```
</RequestInfo>
```

Ex) City
```
<RequestInfo>
  <CodeKind>CITY</CodeKind>
  <RequestCode>KR</RequestCode>
</RequestInfo>
```

Ex) Hotel
```
<RequestInfo>
  <CodeKind>HOTEL</CodeKind>
  <RequestCode>KRSEL</RequestCode>
</RequestInfo>
```

■ **Response**

Depending on the CodeKind requested, response XML will differ. If CodeKind is Nation, there will only be <NationInfo> returned, if it's City, then <NationInfo> and <CityInfo>, and if it's Hotel, all of <NationInfo>, <NationInfo> and <CityInfo> returned.

Each request for this service can be sent to our XML server step by step. CityInfo can be returned by requesting NationInfo and then HotelInfo can be returned by requesting CityInfo.

```
<NationInfo Code="">
  <CityInfo Code="">
          <HotelInfo Code=""/>
  </CityInfo>
</NationInfo>
```

2. Available Hotel / City Check

▪ **Service**

Hotel and City Check is a service using the same XML Schema with different attribute to find out is the hotels are available for XML booking with detailed rate info. Hotel info can be received in English or Korean as per request.

Service Name	gfnGetHotelRateList / gfnGetCityRateList
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/HotelRateSearch_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/HotelRateSearch_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/HotelRateSearch_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/HotelRateSearch_Response.xsd

▪ **Request**

If RequestKind is '0', RequestCode will be the same as HotelCode by WHC
If RequestKind is '1', RequestCode will be the same as CityCode by WHC

According to the RequestKind, the request can be verified whether it is for HotelSearch or CitySearch.

RequestKind = "0" Hotel Search
RequestKind = "1" City Search

```
<HotelRequestInfo RequestKind="0">
  <RequestCode>HotelCode or CityCode</RequestCode >       -Input HotelCode or CityCode by RequestKind.
  <InDate>Check-InDate (YYYYMMDD)</InDate>
  <OutDate>Check-OutDate (YYYYMMDD)</OutDate>
  <SGLCnt>No. of room requested, Default=0</SGLCnt>
  <DBLCnt> No. of room requested, Default=0</DBLCnt>
  <TWNCnt> No. of room requested, Default=0</TWNCnt>
  <TRPCnt> No. of room requested, Default=0</TRPCnt>
  <IncludeHotel LangKind="KOR or ENG">if you would like to request hotel info:Y</IncludeHotel>
</HotelRequestInfo>
```

The default for the no. of room for SGLCnt, DBLCnt, TRPCnt is '0'. Upon request, submit the no. of rooms accordingly.
The Element, IncludeHotel is to verify whether you need hotel info or not.
The Attribute, LangKind is the language type you can choose from between English and Korean.
To request HotelInfo, input 'Y' for the element value. Otherwise 'N'.

▪ **Response**

Hotel rates will be provided as per different conditions such as room type and whether breakfast is included or not. And each rate will be specified with ServiceCode and Instant confirmation availability.
Upon booking request, Service Code is required not HotelCode.

```
<RateInformation>
    <RoomType Code="R01"> Run of House                              -Room Type
        <MealType Code="M02" Condition=""> No Meal          -Breakfast and Condition
            <ServiceCode>USLAX056-R01-M02-ALD</ServiceCode>    -ServiceCode used upon booking request
            <NightLimit></NightLimit>                         -Min. or max. no. of stay
            <Guarantee></Guarantee>                           -Guarantee
            <TotalAmount Currency="USD">486.0000</TotalAmount>    -Currency & Total Amount
            <Available>A</Available>                          -Instant Confirmation('A' or 'R')
        </MealType>
    </RoomType>
</RateInformation>
```

Element 'A' for Available means Instant Confirmation and 'R'means On request.
Gurantee is about cancellation Penalty policy, '01' for full charge penalty and '02' for one night penalty upon cancellation.

```
<HotelInformation>
    <CityName>City Name</CityName>                            -CityName in English
    <HotelName>Hotel Name</HotelName>                         -Hotel Name in English
    <BaseInformation>
        <Grade>★★★★☆</Grade>                      -Hotel Grade by the number of star
        <Address>Address</Address>                            -Hotel Address in English
        <Tel>Tel</Tel>
        <Fax>Fax</Fax>
    </BaseInformation>
    <HotelImage>
        <Image_01>Image URL</Image_01>                        -Five hotel inmages
        <Image_02>Image URL</Image_02>
        <Image_03>Image URL</Image_03>
        <Image_04>Image URL</Image_04>
        <Image_05>Image URL</Image_05>
    </HotelImage>
    <Description>
        <HotelDesc>General Hotel Info</HotelDesc>             -Hotel Info in English & Korean
        <Traffic>Transportation</Traffic>
        <Location>Location</Location>
        <Addition>Facilities</Addition>
        <RoomConven>Room Amenities</RoomConven>
    </Description>
</HotelInformation>
```

The above XML hotel info is in return of Request XML with the attribute 'Y' for IncludeHotel that can be provided in English or Korean as per requested attribute of LangKind.

3. Receiving Hotel Information

▪ **Service**

Hotel Information will provide each hotel's info in details such as general info of the hotel, facility info, hotel images, etc. to be requested by HotelCode given from WHC.

Service Name	gfnGetHotelInformation
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/HotelInfo_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/HotelInfo_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/HotelInfo_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/HotelInfo_Response.xsd

▪ **Request**

```
<RequestInfo>
    <Lang></Lang>                                   -Choose language from English or Korean.
    <HotelCode></HotelCode>                         -HotelCode given from WHC.
```

```
                </RequestInfo>

▪ Request – updated on 3 Apr, 2015
    <RequestInfo Kind="">                                    -Kind: Fixed Value, "OH"
     <Lang></Lang>                                          -Choose language from English or Korean.
     <HotelCode></HotelCode>                                -HotelCode given from WHC.
     <UpdateDate></ UpdateDate >                            -No value needed.
    </RequestInfo>


▪ Response

    <HotelInformation>
     <CityName>City Name</CityName>                         -City name in English
     <HotelName>Hotel Name</HotelName>                      -Hotel Name in English
     <BaseInformation>
            <Grade>★★★★☆:Hotel Grade by no. of star</Grade>    -Hotel grade by no. of star
            <Address>Hotel Address</Address>                -Hotel address in English
            <Tel>Hotel Phone No.</Tel>
            <Fax>Hotel Fax No.</Fax>
     </BaseInformation>
     <HotelImage>
            <Image_01>Image URL</Image_01>             -Five hotel images
            <Image_02>Image URL</Image_02>
            <Image_03>Image URL</Image_03>
            <Image_04>Image URL</Image_04>
            <Image_05>Image URL</Image_05>
     </HotelImage>
     <Description>
            <HotelDesc>General Hote Info</HotelDesc>        -Hotel info in English or Korean
            <Traffic>Transportation Info</Traffic>
            <Location>Location Info</Location>
            <Addition>Facillty Info</Addition>
            <RoomConven>Room Amenities</RoomConven>
     </Description>
    </HotelInformation>
```

4. Hotel Reservation

▪ **Service**

The booking will be processed by submitting ServiceCode and other booking conditions provided from Hotel/City RateList.

Service Name	gfnHotelBooking
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/HotelBooking_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/HotelBooking_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/HotelBooking_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/HotelBooking_Response.xsd

▪ **Request**

Request XML consists of basic info and room type info. Basic info includes Check in & out Dates, no. of rooms, etc and room type info includes guest info by each room requested.

```
    <RequestInformation Agent_RefNo="AGENTREFNO" WaitingRQ="">
    <BaseInfo ReserveTel="" ReserveFax="" ReserveMobile="" ReserveEmail="">
            <ServiceCode>SERVICECODE</ServiceCode>
            <InDate>YYYYMMDD</InDate>
            <OutDate>YYYYMMDD</OutDate>
            <RoomCnt SGLCnt="1" DBLCnt="1" TWNCnt="0" TRPCnt="0" />
            <PassenCnt AdultCnt="2" ChildCnt="1" />
    </BaseInfo>
    <RoomGroupInformation>
            <Room Type="DBL" RoomNumber="0">
                    <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
                    <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
            </Room>
```

```
            <Room Type="SGL" RoomNumber="1">
                    <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
            </Room>
        </RoomGroupInformation>
        <Remark>REMARK</Remark>
    </RequestInformation>
```

<RequestInformation> Attribute
Agent_RefNo - Agent(Your) Reference No.
WaitingRQ   - In case the booking request is not for instant confirmation. (Pending Booking on request)

Basic Booking Info Fields
```
    <BaseInfo ReserveTel="" ReserveFax="" ReserveMobile="" ReserveEmail="">     -Agent Info (Blank allowed)
        <ServiceCode>SERVICECODE</ServiceCode>                           -ServiceCode from the Hotel/City Rate List
        <InDate>YYYYMMDD</InDate>                               -Check-In Date (YYYYMMDD)
        <OutDate>YYYYMMDD</OutDate>                             -Check-Out Date (YYYYMMDD)
        <RoomCnt SGLCnt="1" DBLCnt="1" TWNCnt="0" TRPCnt="0" />       -No. of room requested(Default='0')
        <PassenCnt AdultCnt="2" ChildCnt="1" />                       -No. of adult/child(Default='0')
    </BaseInfo>
```
Booking Info Field by Room
    RoomGroupInformation includes <Room> and <PassengerName>.
    <Room> - No. of room requested
    Type – Choose from SGL,DBL,TWN,TRP
    RoomNumber - Number starting from '0'.
    <PassengerName> is guest info by room
    Title – Choose from MR and MS
    Kind - Choose from ADULT and CHILD
    Guest Name includes FirstName and LastName

Ex)
Booking request for one Single and one Double Room
```
    <RoomGroupInformation>
      <Room Type="SGL" RoomNumber="0">
              <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
      </Room>
      <Room Type="DBL" RoomNumber="1">
              <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
              <PassengerName Title="MS" Kind="ADULT" FirstName="test" LastName="test" />
      </Room>
    </RoomGroupInformation>
    <Remark>REMARK</Remark>   -Remarks
```

Ex)
Booking request for two Double Rooms
```
    <RoomGroupInformation>
      <Room Type="DBL" RoomNumber="0">
              <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
              <PassengerName Title="MS" Kind="ADULT" FirstName="test" LastName="test" />
      </Room>
      <Room Type="DBL" RoomNumber="1">
              <PassengerName Title="MR" Kind="ADULT" FirstName="test" LastName="test" />
              <PassengerName Title="MS" Kind="ADULT" FirstName="test" LastName="test" />
      </Room>
    </RoomGroupInformation>
    <Remark>REMARK</Remark>   -Remarks
```

Element	Attribute	Value
Room	Type	Choose from SGL, DBL, TWN and TRP
Room	RoomNumber	Order : Starting from 0
PassengerName	Title	Choose from MR, and MS.
PassengerName	Kind	Choose from ADULT and CHILD

▪ **Response**
Response XML will be provided with booking status along with request info.

```
    <BaseInformation WHC_RefNo="" Agent_RefNo="">              -Booking No.by WHC and Agent
```

```
        <BookingStatus>02</BookingStatus>                    -Booking Status
        <TotalAmount Currency=""></TotalAmount>              -Currency & Total Amount
        <CXLDeadDate Guarantee="">YYYYMMDD</CXLDeadDate>      -Cancellation Deadline(Cancellation Policy))
      </BaseInformation>
      <RequestInformation ServiceCode="">                        -Request ServiceCode
        <City CityCode=""></City>                            -Request CityCode/CityName
        <Hotel HotelCode=""></Hotel>                         -Request HotelCode/HotelName
        <Date InDate="" OutDate=""/>                         -Check in & out Dates
        <RoomCnt SGLCnt="" DBLCnt="" TWNCnt="" TRPCnt=""/>    -No. of room requested
      </RequestInformation>
```

Element	Attribute	Value
BaseInformation	WHC_RefNo	Booking Number by WHC
BaseInformation	Agent_RefNo	Agent(Your) Reference No.
TotalAmount	Currency	Payment Currency(USD,KRW,JPY,EUR)
CXLDeadDate	Guarantee	Cancellation Policy: 0 – Full Charge, 1 –One Night Charge

<BookingStatus> Definition for Value Element
01 – Waiting(On Request)
02 – Confirm
05 – Cancel
12 – Full

5. Cancellation

▪ **Service**
Cancellation Penalty will be charged according to the deadline and cancellation policy provided upon booking request response.

Service Name	gfnBKCancelRequest
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/BookingCancel_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/BookingCancel_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/BookingCancel_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/BookingCancel_Response.xsd

▪ **Request**
Make a cancellation request using the booking no. given from WHC.
```
      <BookingInfo>
        <BKNo></BKNo>  -WHC Booking Number
      </BookingInfo>
```

▪ **Response**
Booking cancellation No. will be given along with cancellation penalty info if applied.

```
      <BookingCancel WHC_RefNo="WHCREFNO">                 -Cancelled Booking No.
        <CxlOKNumber></CxlOKNumber>                        -Cancellation No.
        <CxlCharge Currency="JPY">16100.0000</CxlCharge>    -Penalty Amount with Currency info
      </BookingCancel>
```

6. Booking Amendment

▪ **Service**
Amendment can be made by gfnBKAmendRequest service.

Service Name	gfnBKAmendRequest
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/BookingChange_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/BookingChange_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/BookingChange_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/BookingChange_Response.xsd

▪ **Request**
The Attribute of <RequestInformation>, ChangeKind will specify the type of amendment.
ChangeKind="001" : Name Amendment
ChangeKind="100" : Date Amendment

ChangeKind="001"   : RoomType Amendment

#Name / RoomType Amendment
Name/RoomType Amendment can be made by guest info by room. Room type shall remain the same as requested originally.

```xml
<RequestInformation ChangeKind="001" WHC_RefNo="WHCREFNO" Agent_RefNo="AGENTREFNO">
    <RoomGroupInformation SGLCnt="" DBLCnt="" TWNCnt="" TRPCnt="">
        <Room Type="DBL" RoomNumber="0">
            <PassengerName Title="MR" Kind="ADULT" FirstName="SOOJIN" LastName="LEE" />
            <PassengerName Title="MR" Kind="ADULT" FirstName="SOOJIN2" LastName="LEE2" />
        </Room>
        <Room Type="SGL" RoomNumber="1">
            <PassengerName Title="MR" Kind="ADULT" FirstName="angma" LastName="jjuzimi" />
        </Room>
    </RoomGroupInformation>
</RequestInformation>
```

#Date Amendment
Date amendment can be done with check in & out date update, subject to availability.

```xml
<RequestInformation ChangeKind="100" WHC_RefNo="WHCREFNO" Agent_RefNo="AGENTREFNO">
    <DateChangeInfo>
        <InDate>20070215</InDate>
        <OutDate>20070216</OutDate>
    </DateChangeInfo>
</RequestInformation>
```

▪ **Response**
```xml
<BookingChange Changekind=" "/>
<BookingInfo Agent_RefNo=" " WHC_RefNo=" ">
 <BookingStatus Code=" "></BookingStatus>
</BookingInfo>
```

ChangeKind="001"   : Name Amendment
ChangeKind="100"   : Date Amendment
ChangeKind="001"   : RoomType Amendment

<BookingStatus> Definition for Value Attribute
01 – Waiting(On Request)
02 – Confirm

7. Hotel Recommendation

▪ **Service**
Recommand Hotel Information is a service for preferred hotel by WHC by city.

Service Name	gfnGetRecommHotelList
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/RecommHotel_Request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/RecommHotel_Request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/RecommHotel_Response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/RecommHotel_Response.xsd

▪ **Request**
This service can be requested by submitting no. of hotel and city code.

```xml
<RequestInfo RowNumber="5">                -No. of the requested hotels
 <CityCode>JPTYO</CityCode>                    -CityCode of the preferred hotel info
</RequestInfo>
```

▪ **Response**
This info includes general hotel info (hotel grade, hotel image URL) and rate info. General hotel describes and rate info includes rates for the next one month with currency info.

```xml
<RecommHotel HotelCode="">                -WHC HotelCode
```

```
<CityName CityCode=""></CityName>                    -City Name
<HotelName HotelCode=""></HotelName>                 -Preferred Hotel Name
<ServiceCode></ServiceCode>                  -ServiceCode
<GradeName></GradeName>                      -Hotel Grade
<HotelDesc></HotelDesc>              -Hotel Info
<MainImage></MainImage>              -Hotel Image URL
<Price></Price>                      -Rate Info
</RecommHotel>
```

8. Cancellation Policy Information

Service Name	gfnGetCancelPolicy

Service Name	gfnGetCancelPolicy
Request XML	http://xml.hotelpass.com/HTPWS_V01/XML/Request/CancelPolicy_request.xml
Request Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Request/CancelPolicy_request.xsd
Response XML	http://xml.hotelpass.com/HTPWS_V01/XML/Response/CancelPolicy_response.xml
Response Schema	http://xml.hotelpass.com/HTPWS_V01/SCHEMA/Response/CancelPolicy_response.xsd

▪ **Service**
This service provides cancellation policies.
ServiceCode and booking details are required in request and a cancellation deadline and an amount of cancellation charge are returned.

▪ **Request**
ServiceCode and booking details are required in request

```
<CancelPolicyRequest>
    <UserInfo>
        <CompanyCode>/CompanyCode>
        <UserID></UserID>
        <UserPWD></UserPWD>
    </UserInfo>
    <RequestInfo>
        <ServiceCode></ServiceCode>          -ServiceCode provided on rate search
        <InDate></InDate>               -CheckIn (YYYY-MM-DD)
        <OutDate></OutDate>             -CheckOut (YYYY-MM-DD)
        <SGLCnt></SGLCnt>               -Single rooms
        <DBLCnt></DBLCnt>               -Double rooms
        <TWNCnt></TWNCnt>               -Twin rooms
        <TRPCnt></TRPCnt>               -Triple rooms
    </RequestInfo>
</CancelPolicyRequest>
```

▪ **Response**
A cancellation deadline and a cancellation charge are returned in reponse.
A cancellation charge incurs when a booking is cancelled later than the cancellation deadline. *** If there is no information (charge) provided, it indicates that the total nights will be charged in case of cancellation after the deadline.**

```
<CancelPolicyResponse>
    <CancelPolicy>
        <CancellationDeadline/>             -cancellation deadline (YYYY-MM-DD)
    </CancelPolicy>
    <CancelPenalty>
        <Currency/>                     -cancellation charge Currency (USD,EUR,JPY,KRW ）
        <Amount/>                       -cancellation charge
    </CancelPenalty>
    <Desc/>
</CancelPolicyResponse>
```