HTNG Virtual Payment Cards Specification
Version 1.0

24 April 2015

About HTNG

Hotel Technology Next Generation (HTNG) is a non-profit association with a mission to foster, through collaboration and partnership, the development of next-generation systems and solutions that will enable hoteliers and their technology vendors to do business globally in the 21st century. HTNG is recognized as the leading voice of the global hotel community, articulating the technology requirements of hotel companies of all sizes to the vendor community. HTNG facilitate the development of technology models for hospitality that will foster innovation, improve the guest experience, increase the effectiveness and efficiency of hotels, and create a healthy ecosystem of technology suppliers.

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Table of contents

24 April 2015 1

1 THIS SPECIFICATION AT A GLANCE 5

2 DOCUMENT INFORMATION 6

2.1 Document History 6
2.2 Document Purpose 6
2.3 Scope 6
2.4 Relationship to Other Standards 6
2.5 Useful Resources 7
2.6 Audience 7
2.7 Overview 7
2.8 Known Limitations 7
2.9 Further Considerations 7

3 COMPONENT SCENARIOS 8

3.1 Issue Virtual Payment Card 8
3.1.1 Overview 8
3.1.2 Roles 8
3.1.3 Use Case 8
3.1.4 Message Flows 9
3.1.5 Sample Request 9
3.1.6 Sample Response 10
3.2 Modify an Existing Virtual Payment Card 10
3.2.1 Overview 10
3.2.2 Roles 10
3.2.3 Use Case 11
3.2.4 Message Flows 12
3.2.5 Sample Request 12
3.2.6 Sample Response 12
3.3 Cancel Virtual Payment Card 13
3.3.1 Overview 13
3.3.2 Roles 13
3.3.3 Use Case 13
3.3.4 Message Flows 14
3.3.5 Sample Request 15
3.3.6 Sample Response 15
3.4 Book Reservation using a Virtual Payment Card 15
3.4.1 Overview 15
3.4.2 Roles 15
3.4.3 Use Case 16

3.4.4 Message Flows 17
3.4.5 Sample Request 17
3.4.6 Sample Response 18
3.5 Book Reservation using a Virtual Payment Card as an Advanced Deposit 18
3.5.1 Overview 18
3.5.2 Roles 18
3.5.3 Use Case 19
3.5.4 Message Flows 20
3.5.5 Sample Request 20
3.5.6 Sample Response 21
4 MESSAGES 22
4.1 Issue / Modify / Cancel Virtual Payment Card 22
4.1.1 Data Element Table – Request 22
4.1.2 Data Element Table – Response 24
4.2 Book Reservation using a Virtual Payment Card 27
4.2.1 Data Element Table – Request 27
4.2.2 Data Element Table – Response 30
4.3 Book Reservation using a Virtual Payment Card as an Advanced Deposit 30
4.3.1 Data Element Table – Request 30
4.3.2 Data Element Table – Response 34
5 APPENDICES 35
5.1 Glossary of Terms 35
5.2 Implementation Notes 35
5.3 Links 35
5.4 Referenced Documents 35

1 This Specification at a Glance

This specification outlines and defines the Hotel Technology Next Generation (HTNG) scenarios and business processes for including Virtual Payment Card information as part of the reservation delivery process, based on OpenTravel Alliance messages.

This specification outlines:

- Issuance, modification and cancellation for Virtual Payment Cards
- Identify reservations that contain Virtual Payment Cards
- Streamline the processing of Virtual Payment Cards
- Provide a standard set of roles/participants for the exchange of data

2 Document Information

2.1 Document History

Version	Date	Author	Comments
0.90	23 March 2015	Workgroup	Member Review

2.2 Document Purpose

Due to the proliferation of Virtual Payment Cards, a need arose to provide guidance on a standardized approach for On-line Travel Agencies, Travel Management Companies, Corporations, etc. to use Virtual Payment Cards (also known as Virtual Credit Cards, Ghost Cards, Single-use Cards, One-time-use Cards, etc.).

This document defines the Hotel Technology Next Generation (HTNG) scenarios and business processes of issuance, modification and cancellation of Virtual Payment Cards as well as the inclusion of Virtual Payment Card information as part of the reservation delivery process, based on OpenTravel Alliance messages.

2.3 Scope

The scope of this document covers the issuance, modification and cancellation of Virtual Payment Cards between parties as well as the delivery of Virtual Payment Card data as part of the reservation booking message.

2.4 Relationship to Other Standards

This specification and its supporting schemas leverage the existing OpenTravel Alliance methodology for message construction and draws upon data definitions common to several HTNG specifications as of 24 April 2015.

Related specifications:

- HTNG Product Distribution – Reservations specification – currently available at https://collaboration.htng.org/specs/documents.php?action=show&dcat=54&gdid=26576
- OpenTravel Alliance Specifications – currently available at http://www.opentravel.org/Specifications/Default.aspx
- HTNG Secure Payments Framework Document https://collaboration.htng.org/securepymtsfrmwk/protected/documents.php?action=show&dcat=10&gdid=25161

2.5 Useful Resources

- Implementing Web Services Using HTNG Specifications – A Quick Start Guide for Software Developers
- HTNG payment processing – Data proxy "tokenization" – currently available at https://collaboration.htng.org/specs/documents.php?action=show&dcat=32&gdid=22006
- HTNG Discussion Board – currently available at http://www2.htng.org/discussion
- PCI-DSS Standards – currently available at https://www.pcisecuritystandards.org/security_standards/

2.6 Audience

This document is designed as a guide for project managers, programmers and analysts to gain detailed information needed to support a complete Virtual Payment Card solution between systems.

2.7 Overview

Content contained in this document has been designed to provide the following:

- Allow hotels to easily identify Virtual Payment Cards.
- A means to communicate the business rules and payment instructions for transactions.
- A minimum common framework for system providers.

2.8 Known Limitations

There are no known limitations at this time
Development by trading partners to support any new proposed fields

2.9 Further Considerations

While this specification deals with Primary Account Numbers (PAN), it could also be leveraged using card tokens. However, this document does not provide any guidance on their implementation.

While this specification covers how Virtual Payment Card data can be included in a reservation message, this does not preclude the use of Virtual Payment Cards in other messages.

3 Component Scenarios

3.1 Issue Virtual Payment Card

3.1.1 Overview

This use case describes the process of issuing a new Virtual Payment Card to be used for the payment of guest charges.

3.1.2 Roles

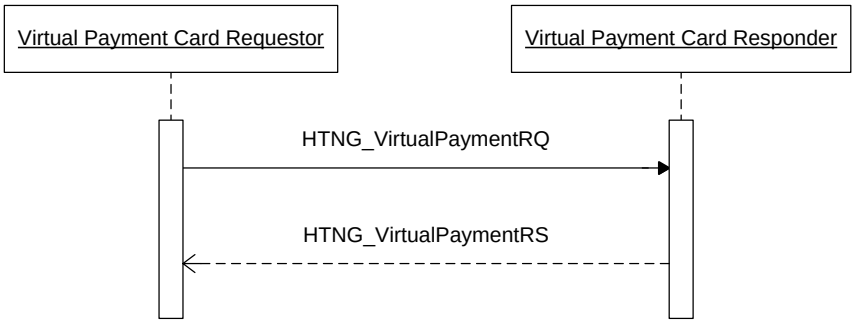
Role Name	Definition	Example
Virtual Payment Card Requestor	A system that has a need to obtain a new Virtual Payment Card.	• GDS • TMC • OTA • CRES
Virtual Payment Card Responder	A system that issues a Virtual Payment Card based upon predetermined criteria.	• VCC System(s)

3.1.3 Use Case

Assumptions:	• A reservation is in the process of being made.
Pre-conditions:	
Trigger:	• Virtual Payment Card Requestor determines it has the need for a new Virtual Payment Card to be issued.
Basic Course of Events:	1. The Virtual Payment Card Requestor gathers any required characteristics necessary to ensure the Virtual Payment Card Responder can properly issue the desired Virtual Payment Card a. This may include things such as: Stay dates, Total amount, Currency Code, Activation date, Expiration Date, Card Pool Identifier, Restrictions. 2. The Virtual Payment Card Requestor creates the appropriate message and sends it to the Virtual Payment Card Responder. 3. The Virtual Payment Card Responder reads the response and validates the payload. a. Ensures the: 1. Amount is appropriate. 2. Dates are correct. b. The Virtual Payment Card Responder communicates with

	Issuer to instruct it to issue a new Virtual Payment Card. c. The Virtual Payment Card Responder updates its system with any appropriate values. 4. The Virtual Payment Card Responder creates the appropriate message and sends it to the Virtual Payment Card Requestor. 5. The Virtual Payment Card Requestor reads the response and validates the payload.
Post-conditions:	The reservation process can be completed and delivered using the newly issued Virtual Payment Card.
Exception Path:	• Insufficient finds in the holding account. • Requested amount exceeds the allowable amount.
Alternative Paths:	• The Virtual Payment Card Requestor may have a pool of reserved cards available that it may be able to use if the Virtual Payment Card Responder is unavailable. • This use case may also be achieved through a telephone call to the issuer of the Virtual Payment Card.

3.1.4 Message Flows



3.1.5 Sample Request

```
<HTNG_VirtualPaymentRQ EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:23Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <POS>
    <ota:Source>
      <ota:RequestorID Type="13" ID_Context="INETBRKR" ID="INB007">
        <ota:CompanyName CodeContext="INETBRKR" CompanyShortName="Travel Brokers,
Inc." Code="INB007"></ota:CompanyName>
      </ota:RequestorID>
    </ota:Source>
  </POS>
  <UniqueID Type="14" ID="3741761"/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <StayDates End="2015-07-02" Start="2015-07-05"/>
  <VirtualPaymentInfo Action="String" ExtendedPaymentInd="true">
    <ota:Issuer BankID="VCI007"/>
```

```
    <ota:Address Type="2">
      <ota:PostalCode>60173</ota:PostalCode>
      <ota:CountryName Code="US">United States</ota:CountryName>
    </ota:Address>
    <Amount CurrencyCode="USD" Amount="321.00"/>
    <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
    <UseType>SingleUse</UseType>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRQ>
```

3.1.6 Sample Response

```
<HTNG_VirtualPaymentRS EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:25Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <VirtualPaymentInfo Action="Committed" ExpireDate="0715" EffectiveDate="0715"
CountryOfIssue="US">
    <ota:CardType>VISA</ota:CardType>
    <ota:Issuer BankID="VCI007"/>
    <ota:CardHolderName>TRAVEL BROKERS INC</ota:CardHolderName>
    <ota:Address>
      <ota:PostalCode>60173</ota:PostalCode>
      <ota:CountryName Code="US">United States</ota:CountryName>
    </ota:Address>
    <ota:CardNumber>
      <ota:PlainText>4444333322221111</ota:PlainText>
    </ota:CardNumber>
    <ota:SeriesCode>
      <ota:PlainText>447</ota:PlainText>
    </ota:SeriesCode>
    <Amount CurrencyCode="USD" Amount="321.00"/>
    <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
    <UseType>SingleUse</UseType>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRS>
```

3.2 Modify an Existing Virtual Payment Card

3.2.1 Overview

This use case describes the process of performing a modification to a previously issued Virtual Payment Card.

Note: Some systems may not have the capability of modifying an existing Virtual Payment Card. In this case, it may be necessary to cancel the existing card and reissue a new card.

3.2.2 Roles

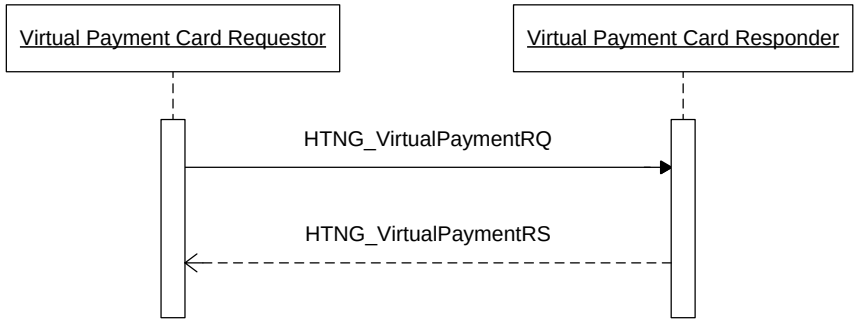
Role Name	Definition	Example
Virtual Payment Card Requestor	A system that has a need to modify an existing Virtual Payment Card.	• GDS • TMC • OTA • CRES
Virtual Payment Card Responder	A system that modifies Virtual Payment Card based upon predetermined criteria.	• VCC System

3.2.3 Use Case

Assumptions:	• A change to an existing reservation is being made.
Pre-conditions:	• The Payment Restrictions for the types of charges that need to be covered by the Virtual Payment Card are known.
Trigger:	• Virtual Payment Card Requestor determines it has the need to modify an existing Virtual Payment Card.
Basic Course of Events:	1. The Virtual Payment Card Requestor gathers any required characteristics necessary to ensure the Virtual Payment Card Responder can properly modify the desired Virtual Payment Card a. This may include things such as: Stay dates, Total amount, Currency Code, Activation date, Expiration Date, Card Pool Identifier, Restrictions. 2. The Virtual Payment Card Requestor creates the appropriate message and sends it to the Virtual Payment Card Responder. 3. The Virtual Payment Card Responder reads the response and validates the payload. a. Ensures the: 1. Amount is appropriate. 2. Dates are correct. b. The Virtual Payment Card Responder communicates with Issuer to instruct it to modify the existing Virtual Payment Card. c. The Virtual Payment Card Responder updates its system with any appropriate values. 4. The Virtual Payment Card Responder creates the appropriate message and sends it to the Virtual Payment Card Requestor. 5. The Virtual Payment Card Requestor reads the response and validates the payload.
Post-conditions:	The reservation modification process can be completed and delivered using the modified Virtual Payment Card.
Exception Path:	• Insufficient finds in the holding account. • Virtual Payment Card Responder does not allow modifications to a previously issued Virtual Payment Card. • Requested amount exceeds the allowable amount.

Alternative Paths:	This use case may also be achieved through a telephone call to the issuer of the Virtual Payment Card.

3.2.4 Message Flows



3.2.5 Sample Request

```
<HTNG_VirtualPaymentRQ EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:23Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <POS>
    <ota:Source>
      <ota:RequestorID Type="13" ID_Context="INETBRKR" ID="INB007">
        <ota:CompanyName CodeContext="INETBRKR" CompanyShortName="Travel Brokers,
Inc." Code="INB007"></ota:CompanyName>
      </ota:RequestorID>
    </ota:Source>
  </POS>
  <UniqueID Type="14" ID="3741761"/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <StayDates End="2015-07-02" Start="2015-07-06"/>
  <VirtualPaymentInfo Action="Modify">
    <ota:Issuer BankID="VCI007"/>
    <ota:CardNumber>
      <ota:PlainText>4444333322221111</ota:PlainText>
    </ota:CardNumber>
    <Amount CurrencyCode="USD" Amount="434.42"/>
    <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
    <UseType>SingleUse</UseType>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRQ>
```

3.2.6 Sample Response

```
<HTNG_VirtualPaymentRS EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:25Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <VirtualPaymentInfo Action="Modified" CardCode="VI" ExpireDate="0715"
EffectiveDate="0715" CountryOfIssue="US">
    <ota:Issuer BankID="VCI007"/>
    <ota:CardHolderName>TRAVEL BROKERS INC</ota:CardHolderName>
    <ota:Address Type="1">
      <ota:PostalCode>60173</ota:PostalCode>
      <ota:CountryName Code="US">United States</ota:CountryName>
    </ota:Address>
    <ota:CardNumber>
      <ota:PlainText>4444333322221111</ota:PlainText>
    </ota:CardNumber>
```

```
    <ota:SeriesCode>
      <ota:PlainText>447</ota:PlainText>
    </ota:SeriesCode>
    <ota:TPA_Extensions/>
    <Amount CurrencyCode="USD" Amount="434.42"/>
    <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
    <UseType>SingleUse</UseType>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRS>
```

3.3 Cancel Virtual Payment Card

3.3.1 Overview

This use case describes the process of cancelling and invalidating a Virtual Payment Card for the specific reservation for which it was issued.

3.3.2 Roles

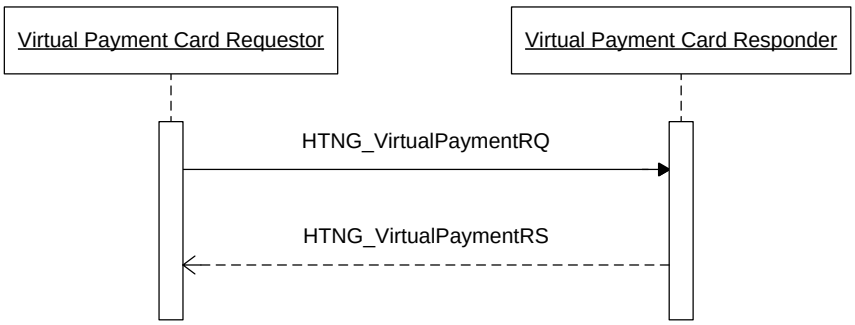
Role Name	Definition	Example
Virtual Payment Card Requestor	A system that has a need to cancel an existing Virtual Payment Card.	• GDS • TMC • OTA • CRES
Virtual Payment Card Responder	A system that cancels a Virtual Payment Card based upon predetermined criteria.	• VCC System

3.3.3 Use Case

Assumptions:	• The cancellation of a Virtual Payment Card does not necessarily mean that the reservation associated with a given Virtual Payment Card will be cancelled. • A cancelled Virtual Payment Card will not be authorized or charged. • If a Cancellation Policy is in effect, the Cancellation Fee was already processed by the Hotel System.
Pre-conditions:	•
Trigger:	• Virtual Payment Card Requestor determines it has the need to cancel an existing Virtual Payment Card.

Basic Course of Events:	1. The Virtual Payment Card Requestor gathers any required characteristics necessary to ensure the Virtual Payment Card Responder can properly cancel the desired Virtual Payment Card a. This may include things such as: Stay dates, Total amount, Currency Code, Activation date, Expiration Date. 2. The Virtual Payment Card Requestor creates the appropriate message and sends it to the Virtual Payment Card Responder. 3. The Virtual Payment Card Responder reads the response and validates the payload. a. Ensures that it is able to locate a match for the requested Virtual Payment Card: b. The Virtual Payment Card Responder communicates with Issuer to instruct it to cancel the existing Virtual Payment Card. c. The Virtual Payment Card Responder updates its system with any appropriate values. 4. The Virtual Payment Card Responder creates the appropriate message and sends it to the Virtual Payment Card Requestor. 5. The Virtual Payment Card Requestor reads the response and validates the payload.
Post-conditions:	• The Virtual Payment Card Responder may notify 3rd Party systems that the Virtual Payment Card is now cancelled.
Exception Path:	• Virtual Payment Card Responder does not allow cancellations to a previously issued Virtual Payment Card.
Alternative Paths:	• This use case may also be achieved through a telephone call to the issuer of the Virtual Payment Card.

3.3.4 Message Flows



3.3.5 Sample Request

```
<HTNG_VirtualPaymentRQ EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:23Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <POS>
    <ota:Source>
      <ota:RequestorID Type="13" ID_Context="INETBRKR" ID="INB007">
        <ota:CompanyName CodeContext="INETBRKR" CompanyShortName="Travel Brokers,
Inc." Code="INB007"></ota:CompanyName>
      </ota:RequestorID>
    </ota:Source>
  </POS>
  <UniqueID Type="14" ID="3741761"/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <VirtualPaymentInfo Action="Cancel">
    <ota:CardNumber>
      <ota:PlainText>4444333322221111</ota:PlainText>
    </ota:CardNumber>
    <Amount CurrencyCode="USD" Amount="434.42"/>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRQ>
```

3.3.6 Sample Response

```
<HTNG_VirtualPaymentRS EchoToken="62c4549a-d152-4f9d-9737-88d52b9c3740"
TimeStamp="2015-03-03T17:48:25Z" Version="1.0" xmlns="http://htng.org/2015A"
xmlns:ota="http://www.opentravel.org/OTA/2003/05">
  <Success/>
  <PropertyInfo HotelName="Riverside Hotel" HotelCode="ORDRVSHTL"/>
  <VirtualPaymentInfo Action="Cancelled">
    <ota:CardNumber>
      <ota:PlainText>4444333322221111</ota:PlainText>
    </ota:CardNumber>
  </VirtualPaymentInfo>
</HTNG_VirtualPaymentRS>
```

3.4 Book Reservation using a Virtual Payment Card

3.4.1 Overview

This use case describes the process of including the Virtual Payment Card payment information along with the reservation information to be used during the guest stay.

For those implementers who are already familiar with OpenTravel Reservation Delivery, there are a handful of fields that are specific to this use case over and beyond standard reservation delivery. In the sample messages below, these fields will be shown in **bold**.

Note: There are a few messages that can be used to book or modify a reservation. These include OTA_HotelResNotifRQ, OTA_ResRetrieveRS and OTA_HotelResRQ. The same basic set of data relates to all of them.

3.4.2 Roles

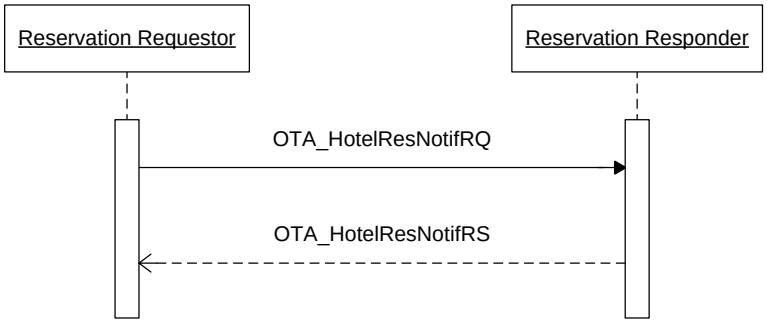
Role Name	Definition	Example
Reservation Requestor	A system that books hotel reservations.	• GDS • TMC • OTA • CRES

Reservation Responder	A system that receives hotel reservation bookings.	• CRES • PMS

3.4.3 Use Case

Assumptions:	• The reservation information will be preserved by downstream systems. • Virtual payment cards are an acceptable form of payment by the Reservation Responder
Pre-conditions:	• A reservation is in the process of being made. • A Virtual Payment Card has been successfully issued.
Trigger:	• The Reservation Requestor determines it has the need to send a reservation using a Virtual Payment Card.
Basic Course of Events:	1. Reservation Requester constructs OTA_HotelResNotifRQ** with the appropriate parameters (including the necessary Virtual Payment Card data). 2. Reservation Requester successfully transmits message payload. 3. Reservation Responder receives the message payload. 4. Reservation Responder processes OTA_HotelResNotifRQ** (including storing necessary Virtual Payment Card data). 5. Reservation Responder returns the confirmation number using OTA_HotelResNotifRS.
Post-conditions:	• None
Exception Path:	1. At Step 4, the Seamless Reservation Responder does not successfully process the message. 2. Seamless Reservation Responder returns OTA_HotelResNotifRS** with the appropriate error indicator. 3. Seamless Reservation Requester may: a. Log the response error. b. Take action to correct the error and/or resend the transaction if necessary. c. Wait until the next agreed interval to send an update notification.
Alternative Paths:	• None

3.4.4 Message Flows



3.4.5 Sample Request

```
<OTA_HotelResNotifRQ xmlns="http://www.opentravel.org/OTA/2003/05"
EchoToken="6a7e799f-d916-435a-8c36-72c3d7c64773" TimeStamp="2015-03-03T17:48:53Z"
Version="1.0" ResStatus="Commit">
  ...
  <HotelReservations>
    <HotelReservation CreateDateTime="2015-03-03T17:48:53" CreatorID="INB007">
      <UniqueID Type="14" ID="3741761"/>
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="INB007">
          ...
          <RoomRates>
            <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2015-07-02"
ExpireDate="2015-07-05">
                  <Base AmountAfterTax="107.00" CurrencyCode="USD"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          ...
          <TimeSpan End="2015-07-05" Start="2015-07-02"/>
          <Guarantee GuaranteeType="GuaranteeRequired" GuaranteeCode="GCC">
            <GuaranteesAccepted>
              <GuaranteeAccepted GuaranteeTypeCode"43">
                <PaymentCard ExtendPaymentIndicator="true" EffectiveDate="0715"
ExpireDate="0715">
                  <CardType>VISA</ota:CardType>
                  <Issuer BankID="VCI007"/>
                  <CardHolderName>TRAVEL BROKERS INC</CardHolderName>
                  <Address>
                    <PostalCode>60173</PostalCode>
                    <CountryName Code="US">United States</CountryName>
                  </Address>
                  <CardNumber>
                    <PlainText>4444333322221111</PlainText>
                  </CardNumber>
                  <SeriesCode>
                    <PlainText>447</PlainText>
                  </SeriesCode>
                </PaymentCard>
                <TPA_Extensions>
                  <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
                  <UseType>SingleUse</UseType>
                </TPA_Extensions>
              </GuaranteeAccepted>
            </GuaranteesAccepted>
            <AmountPercent Amount="321.00" CurrencyCode="USD"/>
            ...
```

```
          </Guarantee>
          <Total AmountAfterTax="321.00" CurrencyCode="USD">
            <Taxes Amount="21.00" CurrencyCode="USD">
              <Tax Percent="7.00"/>
            </Taxes>
          </Total>
          <BasicPropertyInfo HotelCode="ORDRVSHTL" HotelName="Riverside Hotel"/>
          ...
        </RoomStay>
      </RoomStays>
      ...
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

3.4.6 Sample Response

```
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05"
EchoToken="6a7e799f-d916-435a-8c36-72c3d7c64773" TimeStamp="2015-03-03T17:48:54Z"
Version="1.0" ResResponseType="Committed">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741761"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRS>
```

3.5 Book Reservation using a Virtual Payment Card as an Advanced Deposit

3.5.1 Overview

This use case describes the process of including the Virtual Payment Card payment information along with the reservation information to be used in advance of arrival.

For those implementers who are already familiar with OpenTravel Reservation Delivery, there are a handful of fields that are specific to this use case over and beyond standard reservation delivery. In the sample messages below, these fields will be shown in **bold**.

Note: There are a few messages that can be used to book or modify a reservation. These include OTA_HotelResNotifRQ, OTA_ResRetrieveRS and OTA_HotelResRQ. The same basic set of data relates to all of them.

3.5.2 Roles

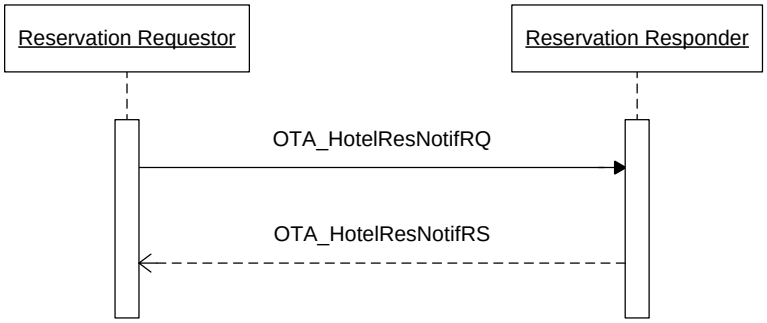
Role Name	Definition	Example
Reservation Requestor	A system that books hotel reservations.	• GDS • TMC • OTA • CRES

Reservation Responder	A system that receives hotel reservation bookings.	• CRES • PMS

3.5.3 Use Case

Assumptions:	• The reservation payload will be preserved by downstream systems.
Pre-conditions:	• A reservation is in the process of being made. • A Virtual Payment Card has been successfully issued. • The total deposit amount is known. • The Virtual Payment Card Open Date is equal to the current business date and is able to be charged immediately by a downstream system.
Trigger:	• The Reservation Requestor determines it has the need to send a reservation using a Virtual Payment Card.
Basic Course of Events:	1. Reservation Requester constructs OTA_HotelResNotifRQ** with the appropriate parameters (including the necessary Virtual Payment Card data and deposit amount). 2. Reservation Requester successfully transmits message payload. 3. Reservation Responder receives the message payload. 4. Reservation Responder processes OTA_HotelResNotifRQ** (including storing necessary Virtual Payment Card data). 5. Reservation Responder returns the confirmation number using OTA_HotelResNotifRS.
Post-conditions:	• None
Exception Path:	1. At Step 4, the Reservation Responder does not successfully process the message. 2. The Reservation Responder does not support using (Virtual) Credit Cards for Advanced Deposits. 3. Reservation Responder returns OTA_HotelResNotifRS** with the appropriate error indicator. 4. Reservation Requester may: a. Log the response error. b. Take action to correct the error and/or resend the transaction if necessary. c. Wait until the next agreed interval to send an update notification.
Alternative Paths:	• None

3.5.4 Message Flows



3.5.5 Sample Request

```
<OTA_HotelResNotifRQ xmlns=http://www.opentravel.org/OTA/2003/05 EchoToken="c1e70548-
736d-4005-9fe3-f8260364888b" TimeStamp="2015-03-03T17:48:57Z" Version="1.0"
ResStatus="Commit">
  ...
  <HotelReservations>
    <HotelReservation CreateDateTime="2015-03-03T17:48:57" CreatorID="INB007">
      <UniqueID Type="14" ID="3741761"/>
      <RoomStays>
        <RoomStay MarketCode="CORP" SourceOfBusiness="INB007">
          ...
          <RoomRates>
            <RoomRate RoomTypeCode="A1K" RatePlanCode="SR" NumberOfUnits="1"
RatePlanCategory="S">
              <Rates>
                <Rate UnitMultiplier="1" RateTimeUnit="Day" EffectiveDate="2015-07-02"
ExpireDate="2015-07-05">
                  <Base AmountAfterTax="107.00" CurrencyCode="USD"/>
                </Rate>
              </Rates>
            </RoomRate>
          </RoomRates>
          ...
          <TimeSpan End="2015-07-05" Start="2015-07-02"/>
          <DepositPayments>
            <GuaranteePayment>
              <AcceptedPayments>
                <AcceptedPayment GuaranteeTypeCode"43"
PaymentTransactionTypeCode="reserve">
                  <PaymentCard ExtendPaymentIndicator="false" EffectiveDate="0315"
ExpireDate="0715">
                    <CardType>VISA</ota:CardType>
                    <Issuer BankID="VCI007"/>
                    <CardHolderName>TRAVEL BROKERS INC</CardHolderName>
                    <Address Type="1">
                      <PostalCode>60173</PostalCode>
                      <CountryName Code="US">United States</CountryName>
                    </Address>
                    <CardNumber>
                      <PlainText>4444333322221111</PlainText>
                    </CardNumber>
                    <SeriesCode>
                      <PlainText>447</PlainText>
                    </SeriesCode>
                  </PaymentCard>
                  <TPA_Extensions>
                    <CardPoolIdentifier>DEFAULT</CardPoolIdentifier>
                    <UseType>SingleUse</UseType>
                  </TPA_Extensions>
                </AcceptedPayment>
              </AcceptedPayments>
```

```
              <AmountPercent Amount="321.00" CurrencyCode="USD"/>
              ...
            </GuaranteePayment>
          </DepositPayments>
          <Total AmountAfterTax="321.00" CurrencyCode="USD">
            <Taxes Amount="21.00" CurrencyCode="USD">
              <Tax Percent="7.00"/>
            </Taxes>
          </Total>
          <BasicPropertyInfo HotelCode="ORDRVSHTL" HotelName="Riverside Hotel"/>
          ...
        </RoomStay>
      </RoomStays>
      ...
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRQ>
```

3.5.6 Sample Response

```
<OTA_HotelResNotifRS xmlns="http://www.opentravel.org/OTA/2003/05"
EchoToken="c1e70548-736d-4005-9fe3-f8260364888b" TimeStamp="2015-03-03T17:48:59Z"
Version="1.0" ResResponseType="Committed">
  <Success/>
  <HotelReservations>
    <HotelReservation>
      <UniqueID Type="14" ID="3741761"/>
      <ResGlobalInfo>
        <HotelReservationIDs>
          <HotelReservationID ResID_Type="10" ResID_Value="82329987"/>
        </HotelReservationIDs>
      </ResGlobalInfo>
    </HotelReservation>
  </HotelReservations>
</OTA_HotelResNotifRS>
```

4 Messages

4.1 Issue / Modify / Cancel Virtual Payment Card

4.1.1 Data Element Table – Request

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
HTNG_VirtualPaymentRQ	1	1	1	Root element of the message.
@EchoToken	1	1	1	A reference for additional message identification, assigned by the requesting host system. When a request message includes an echo token, the corresponding response message MUST include an echo token with an identical value.
@TimeStamp	1	1	1	Indicates the creation date and time of the message in UTC using the following format specified by ISO 8601; YYYY-MM-DDThh:mm:ssZ with time values using the 24-hour clock (e.g., 20 November 2003, 1:59:38 pm UTC becomes 2003-11-20T13:59:38Z).
@Version	1	1	1	For all OpenTravel versioned messages, the version of the message is indicated by a decimal value.
HTNG_VirtualPaymentRQ / POS	1	1	1	POS provides a mechanism to indicate the source of the message.
HTNG_VirtualPaymentRQ / POS / Source	1	1	1	This holds details regarding the requestor. It may be repeated to also accommodate the delivery systems.
HTNG_VirtualPaymentRQ / POS / Source / RequestorID	1	1	1	An identifier of the entity making the request (e.g., ATA/IATA/ID number, Electronic Reservation Service Provider (ERSP), Association of British Travel Agents (ABTA)).
@Type	1	1	1	A reference to the type of object defined by the UniqueID element. Refer to OpenTravel Code List Unique ID Type (UIT).
@ID	1	1	1	A unique identifying value assigned by the creating system. The ID attribute may be used to reference a primary-key value within a database or in a particular implementation.
@ID_Context	0..1	0..1	0..1	Used to identify the source of the identifier (e.g., IATA, ABTA).
HTNG_VirtualPaymentRQ / POS / Source / RequestorID / CompanyName	0..1	0..1	0..1	Identifies the company that is associated with the UniqueID.
@Code	1	1	1	Identifies the company by the company code.
@CodeContext	0..1	0..1	0..1	Identifies the context of the identifying code,

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
				such as DUNS, IATA or internal code, etc.
@CompanyShortName	0..1	0..1	0..1	Used to provide the company common name.
HTNG_VirtualPaymentRQ / UniqueID	1	1	1	Holds the information pertaining to the identification of the reservation being booked.
@Type	1	1	1	Type is assigned codes from the UIT (Unique ID Type) code list. The value of this should be "14" – Reservation.
@ID	1	1	1	The reservation confirmation number.
HTNG_VirtualPaymentRQ / PropertyInfo	1	1	1	Identifies a specific hotel by using the Chain Code, the Brand Code, and the Hotel Code. The codes used are agreed upon by trading partners.
@HotelName	0..1	0..1	0..1	This is the property for which the reservation is being booked.
@HotelCode	1	1	1	The code that uniquely identifies a single hotel property. The hotel code is decided between vendors.
HTNG_VirtualPaymentRQ / StayDates	1	0..1	0..1	The date span for the stay at the hotel
@Start	1	1	1	The arrival date of the reservation.
@End	1	1	1	The departure date of the reservation.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo	1	1	1	Holds information about the virtual card.
@Action	1	1	1	Issue – "Commit" Modify – "Modify" Cancel – "Cancel"
@ExtendedPaymentInd	1	0..1	0..1	When true, the receiver is requested to delay the date on which the amount of this transaction is applied to the customer's account. When false, the card should be charged immediately (Pre-pay).
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / Issuer	0..1	0..1	0..1	Payment Card issuer.
@BankID	1	1	1	Issuer bank code.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / CardNumber	0..1	1	1	Card information.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / CardNumber / PlainText	1	1	1	Plain text value of the Primary Account Number (PAN).
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / Address	0..1	0..1	0..1	Card holder address.

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / Address / PostalCode	0..1	0..1	0..1	Postal code or zip code.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / Address / CountryName	0..1	0..1	0..1	Country Name.
@Code	0..1	0..1	0..1	ISO 3166 code for a country.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / Amount	1	1	0..1	Information about the value of the card.
@Amount	1	1	0..1	Total value to be placed on the card.
@CurrencyCode	1	1	0..1	An ISO 4217 (3) alpha character code that specifies a monetary unit.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / CardPoolIdentifier	0..1	0..1	0..1	If there are multiple pools of card numbers, this identifies the pool for which the card should be issued.
HTNG_VirtualPaymentRQ / VirtualPaymentInfo / UseType	0..1	0..1	0..1	"SingleUse" – Card can only be charged a single time. "MultiUse" – Card can be charged multiple times.

4.1.2 Data Element Table – Response

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
HTNG_VirtualPaymentRS	1	1	1	Root element of the message.
@EchoToken	1	1	1	A reference for additional message identification, assigned by the requesting host system. When a request message includes an echo token, the corresponding response message MUST include an echo token with an identical value.
@TimeStamp	1	1	1	Indicates the creation date and time of the message in UTC using the following format specified by ISO 8601; YYYY-MM-DDThh:mm:ssZ with time values using the 24-hour clock (e.g., 20 November 2003, 1:59:38 pm UTC becomes 2003-11-20T13:59:38Z).
@Version	1	1	1	For all OpenTravel versioned messages, the version of the message is indicated by a decimal value.
HTNG_VirtualPaymentRS / Success	0..1	0..1	0..1	The presence of the empty Success element explicitly indicates that the OpenTravel versioned message succeeded.
HTNG_VirtualPaymentRS / Warnings	0..1	0..1	0..1	Used in conjunction with the Success element to define one or more business errors.

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
HTNG_VirtualPaymentRS / Warnings / Warning	1..n	1..n	1..n	Used when a message has been successfully processed to report any warnings or business errors that occurred.
@Type	1	1	1	The Warning element MUST contain the Type attribute that uses a recommended set of values to indicate the warning type. The validating XSD can expect to accept values that it has NOT been explicitly coded for and process them by using Type ="Unknown". Refer to OpenTravel Code List Error Warning Type (EWT).
@Status	0..1	0..1	0..1	If present, recommended values are those enumerated in the OTA_ErrorRS, (NotProcessed | Incomplete | Complete | Unknown) however, the data type is designated as string data, recognizing that trading partners may identify additional status conditions not included in the enumeration.
@ShortText	1	1	1	An abbreviated version of the error in textual format.
@Code	0..1	0..1	0..1	If present, this refers to a table of coded values exchanged between applications to identify errors or warnings. Refer to OpenTravel Code List Error Codes (ERR).
HTNG_VirtualPaymentRS / Errors	0..1	0..1	0..1	A collection of errors that occurred during the processing of a message.
HTNG_VirtualPaymentRS / Errors / Error	1..n	1..n	1..n	An error that occurred during the processing of a message.
@Type	1	1	1	The Error element MUST contain the Type attribute that uses a recommended set of values to indicate the error type. The validating XSD can expect to accept values that it has NOT been explicitly coded for and process them by using Type ="Unknown". Refer to OpenTravel Code List Error Warning Type (EWT).
@Status	0..1	0..1	0..1	If present, recommended values are those enumerated in the OTA_ErrorRS, (NotProcessed | Incomplete | Complete | Unknown) however, the data type is designated as string data, recognizing that trading partners may identify additional status conditions not included in the enumeration.
@ShortText	1	1	1	An abbreviated version of the error in textual format.
@Code	0..1	0..1	0..1	If present, this refers to a table of coded values exchanged between applications to identify

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
				errors or warnings. Refer to OpenTravel Code List Error Codes (ERR).
HTNG_VirtualPaymentRS / PropertyInfo	1	1	1	Identifies a specific hotel by using the Chain Code, the Brand Code, and the Hotel Code. The codes used are agreed upon by trading partners.
@HotelName	0..1	0..1	0..1	This is the property for which the reservation is being booked.
@HotelCode	1	1	1	The code that uniquely identifies a single hotel property. The hotel code is decided between vendors.
HTNG_VirtualPaymentRS / VirtualPaymentInfo	0..1	0..1	0..1	Holds information about the virtual card.
@Action	1	1	1	Issue – "Committed" Modify – "Modified" Cancel – "Cancelled"
@EffectiveDate	0..1	0..1	0..1	The date the card can start being charged.
@ExpireDate	1	1	0..1	The date the card expires and can no longer be charged.
@CountryOfIssue	1	1	0..1	Country of issue code.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / CardType	1	1	0..1	An list of payment card issuers: • AmericanExpress • DiscoverCard • Mastercard • VISA
HTNG_VirtualPaymentRS / VirtualPaymentInfo / Issuer	0..1	0..1	0..1	Payment Card issuer.
@BankID	1	1	1	Issuer bank code.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / CardHolderName	1	1	0..1	Card holder name.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / Address	1	1	0..1	Card holder address.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / Address / PostalCode	1	1	1	Postal code or zip code.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / Address / CountryName	1	1	1	Country Name.
@Code	1	1	1	ISO 3166 code for a country.
HTNG_VirtualPaymentRS / VirtualPaymentInfo /	1	1	1	Card information.

Element | @Attribute	Iss	Mod	Cxl	Description/Contents
CardNumber				
HTNG_VirtualPaymentRS / VirtualPaymentInfo / CardNumber / PlainText	1	1	1	Plain text value of the Primary Account Number (PAN).
HTNG_VirtualPaymentRS / VirtualPaymentInfo / SeriesCode	0..1	0..1	0..1	Verification digits.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / SeriesCode / PlainText	1	1	1	Non-secure (plain text) value of the CVV/CVC/CVV2.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / Amount	1	1	0..1	Information about the value of the card.
@Amount	1	1	1	Total value that was placed on the card.
@CurrencyCode	1	1	1	An ISO 4217 (3) alpha character code that specifies a monetary unit.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / CardPoolIdentifier	0..1	0..1	0..1	If there are multiple pools of card numbers, this identifies the pool from which the card was issued.
HTNG_VirtualPaymentRS / VirtualPaymentInfo / UseType	1	1	0..1	"SingleUse" – Card can only be charged a single time. "MultiUse" – Card can be charged multiple times.

4.2 Book Reservation using a Virtual Payment Card

4.2.1 Data Element Table – Request

See the HTNG Product Distribution – Reservations specification for information on this message.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted	1	Guarantee Detail
@GuaranteeTypeCode	1	Used to specify the method of guarantee. A value of 43 indicates this is a Virtual Card. Refer to OpenTravel Code List Payment Type (PMT).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted /	1	Holds information about the virtual card.

Element | @Attribute	Num	Description/Contents
GuaranteeAccepted / PaymentCard		
@ExtendedPaymentIndicator	1	Value must be "false" to indicate this is not a prepayment.
@EffectiveDate	1	The date the card can start being charged.
@ExpireDate	1	The date the card expires and can no longer be charged.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardType	0..1	An list of payment card issuers: • AmericanExpress • DiscoverCard • Mastercard • VISA
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / Issuer	0..1	Payment Card issuer.
@BankID	1	Issuer bank code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardHolderName	0..1	Card holder name.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / Address	0..1	Card holder address.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / Address /	0..1	Postal code or zip code.

Element | @Attribute	Num	Description/Contents
PostalCode		
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / Address / PostalCode / CountryName	0..1	Country Name.
@Code	0..1	ISO 3166 code for a country.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardNumber	1	Card information.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / CardNumber / PlainText	1	Plain text value of the Primary Account Number (PAN).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / SeriesCode	0..1	Verification digits.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / PaymentCard / SeriesCode / PlainText	1	Non-secure (plain text) value of the CVV/CVC/CVV2.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee /	1	Extended information not native to the schema.

Element | @Attribute	Num	Description/Contents
GuaranteesAccepted / GuaranteeAccepted / TPA_Extensions		
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / TPA_Extensions / CardPoolIdentifier	0..1	If there are multiple pools of card numbers, this identifies the pool from which the card was issued.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / GuaranteesAccepted / GuaranteeAccepted / TPA_Extensions / UseType	1	"SingleUse" – Card can only be charged a single time. "MultiUse" – Card can be charged multiple times.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / Guarantee / AmountPercent	1	Information about the value of the card.
@Amount	1	Total value of the card.
@CurrencyCode	1	An ISO 4217 (3) alpha character code that specifies a monetary unit.

4.2.2 Data Element Table – Response

See the HTNG Product Distribution – Reservations specification for information on this message.

4.3 Book Reservation using a Virtual Payment Card as an Advanced Deposit

4.3.1 Data Element Table – Request

See the HTNG Product Distribution – Reservations specification for information on this message.

Element | @Attribute	Num	Description/Contents
HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment	1	An acceptable form of payment.

Element | @Attribute	Num	Description/Contents
@GuaranteeTypeCode	1	Used to specify the method of guarantee. A value of 43 indicates this is a Virtual Card. Refer to OpenTravel Code List Payment Type (PMT).
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard	1	Holds information about the virtual card.
@ExtendedPaymentIndicator	1	Value must be “true” to indicate this is a prepayment.
@EffectiveDate	1	The date the card can start being charged. So the card can be charged immediately, the value should be the current month and year.
@ExpireDate	1	The date the card expires and can no longer be charged.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardType	0..1	An list of payment card issuers: • AmericanExpress • DiscoverCard • Mastercard VISA
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / Issuer	0..1	Payment Card issuer.
@BankID	1	Issuer bank code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardHolderName	0..1	Card holder name.

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / Address	0..1	Card holder address.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / Address / PostalCode	0..1	Postal code or zip code.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / Address / PostalCode / CountryName	0..1	Country Name.
@Code	0..1	ISO 3166 code for a country.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardNumber	1	Card information.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / CardNumber / PlainText	1	Plain text value of the Primary Account Number (PAN).

Element | @Attribute	Num	Description/Contents
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / SeriesCode	0..1	Verification digits.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / PaymentCard / SeriesCode / PlainText	1	Non-secure (plain text) value of the CVV/CVC/CVV2.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / TPA_Extensions	1	Extended information not native to the schema.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / TPA_Extensions / CardPoolIdentifier	0..1	If there are multiple pools of card numbers, this identifies the pool from which the card was issued.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays / RoomStay / DepositPayments / GuaranteePayment / AcceptedPayments / AcceptedPayment / TPA_Extensions / UseType	1	"SingleUse" – Card can only be charged a single time. "MultiUse" – Card can be charged multiple times.
OTA_HotelResNotifRQ / HotelReservations / HotelReservation / RoomStays	1	Information about the value of the card.

Element | @Attribute	Num	Description/Contents
/ RoomStay / DepositPayments / GuaranteePayment / AmountPercent		
@Amount	1	Total value of the card.
@CurrencyCode	1	An ISO 4217 (3) alpha character code that specifies a monetary unit.

4.3.2 Data Element Table – Response

See the HTNG Product Distribution – Reservations specification for information on this message.

5 Appendices

5.1 Glossary of Terms

For the purpose of this document the following terms have been defined as follows:

Term	Definition
Virtual Payment Card	A method of payment that is issued for a specific purpose or reservation that functions similar to a credit or debit card, without the physical plastic, typically associated with a major card networks (Visa, MasterCard, American Express, etc.)

5.2 Implementation Notes

There are special considerations in the handling of virtual payment cards. For instance:

- The virtual payment cards cannot be authorized or charged prior to the card activation date
- A physical card cannot be provided at point of sale during guest check-in
- Virtual payment cards are intended for controlled use e.g. time limits, specific merchants, etc.

5.3 Links

5.4 Referenced Documents

The following table shows the documents upon which this document depends:

Document Title	Location/URL
Data proxy/tokenization	https://collaboration.htng.org/specs/documents.php?action=show&dcat=32&gdid=22006
Product Distribution Reservations	https://collaboration.htng.org/specs/documents.php?action=show&dcat=54&gdid=26576