

OrderCreate 18.1

Implementation guide

- [Interface Overview](#)
 - [Description](#)
 - [Current Scope](#)
 - [Out of scope](#)
 - [Sequence Diagrams](#)
 - [No DeferredPayment](#)
 - [DeferredPayment](#)
 - [3DS](#)
 - [3DS2](#)
 - [Prerequisites](#)
- [Building a Query: OrderCreateRQ](#)
 - [Implementation](#)
 - [Version](#)
 - [Point of sale](#)
 - [Party](#)
 - [Sender](#)
 - [Corporation](#)
 - [3DS2](#)
 - [Augmentation Point](#)
 - [OrderCreateParameters](#)
 - [Passengers](#)
 - [CreateOrder](#)
 - [Payments](#)
 - [InstructionsList](#)
 - [ServiceDefinitions](#)

- [Promotion code](#)
- [Receiving a Reply: OrderViewRS](#)
- [Troubleshooting](#)
 - [Input Validation Errors](#)
 - [Input Validation Warnings](#)
 - [Processing Errors](#)
 - [Processing warnings](#)
- [Detailed Use Cases](#)
 - [Use case 1: 1 PAX ADT, 1 ROUND-TRIP](#)
 - [Use Case Description](#)
 - [Preconditions](#)
 - [Use case 2: 2 PAX ADT INF, 1 ROUND-TRIP, 1 Ancillary for ADT with text information](#)
 - [Use Case Description](#)
 - [Preconditions](#)
 - [Query](#)
- [Glossary](#)
- [Legal disclaimer](#)

Interface Overview

Description

The OrderCreate request allows the end user to book&price and pay&issue one or several offer item(s) from an offer.

The service performs the PNR creation, the booking of the flight segments, the payment and/or the issuance of the documents. If everything goes well, the OrderViewRS message returns the confirmation of the order and the ticket number(s).

Current Scope

Are considered in the scope of the current Altea NDC release:

- Mono and Multi passenger Itineraries
- One-Way and Round-Trip Flights
- Prime Flights only
- and airline marketed flights
- Ancillary Services
- Deferred Payment is supported

Out of scope

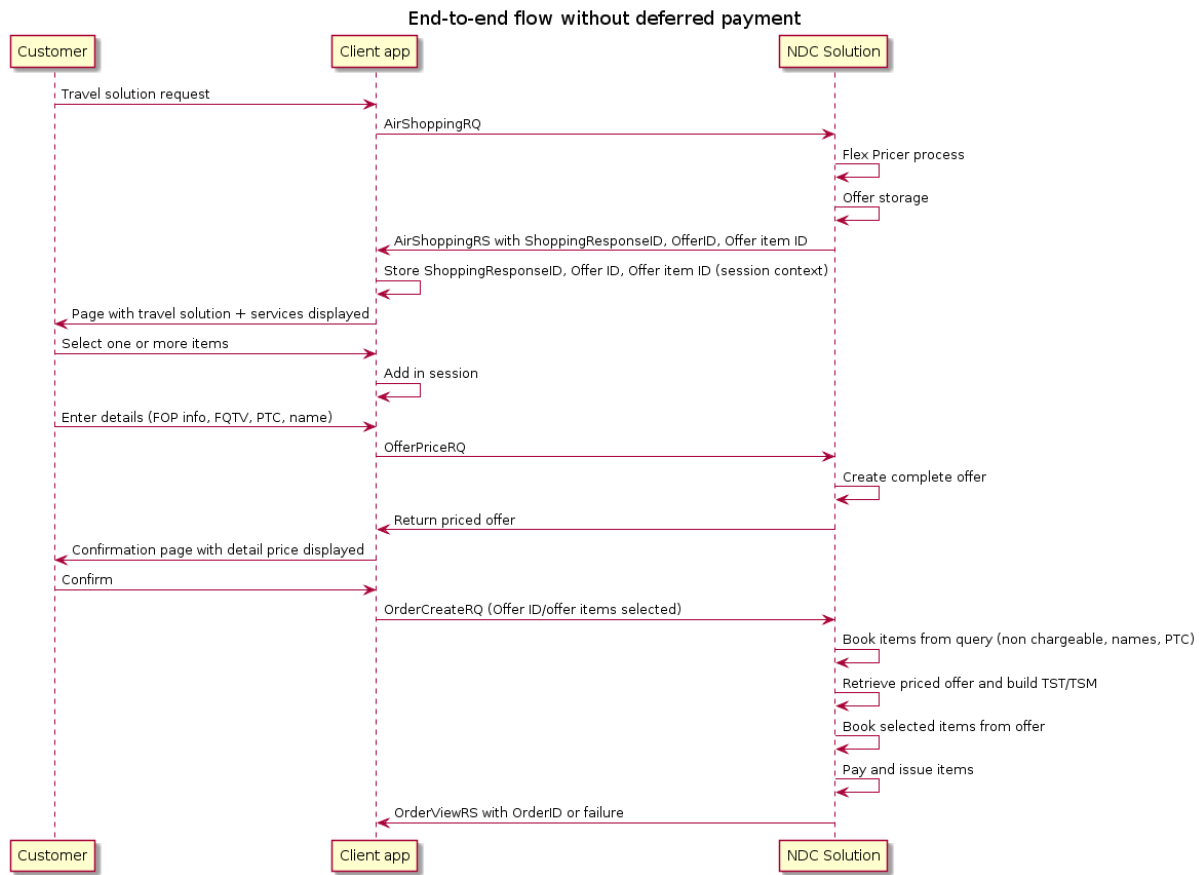
Here are the limitations related to the current Altea NDC release:

- The booking flow is limited to only one offer per transaction. Multiple offer items are supported but only one mandatory offer item.
- Only one FOP is accepted per transaction
- AMOPs not supported
- Group PNRs are not supported
- No interline
- FQTV information has no impact on price conditions
- Unaccompanied minor are not supported

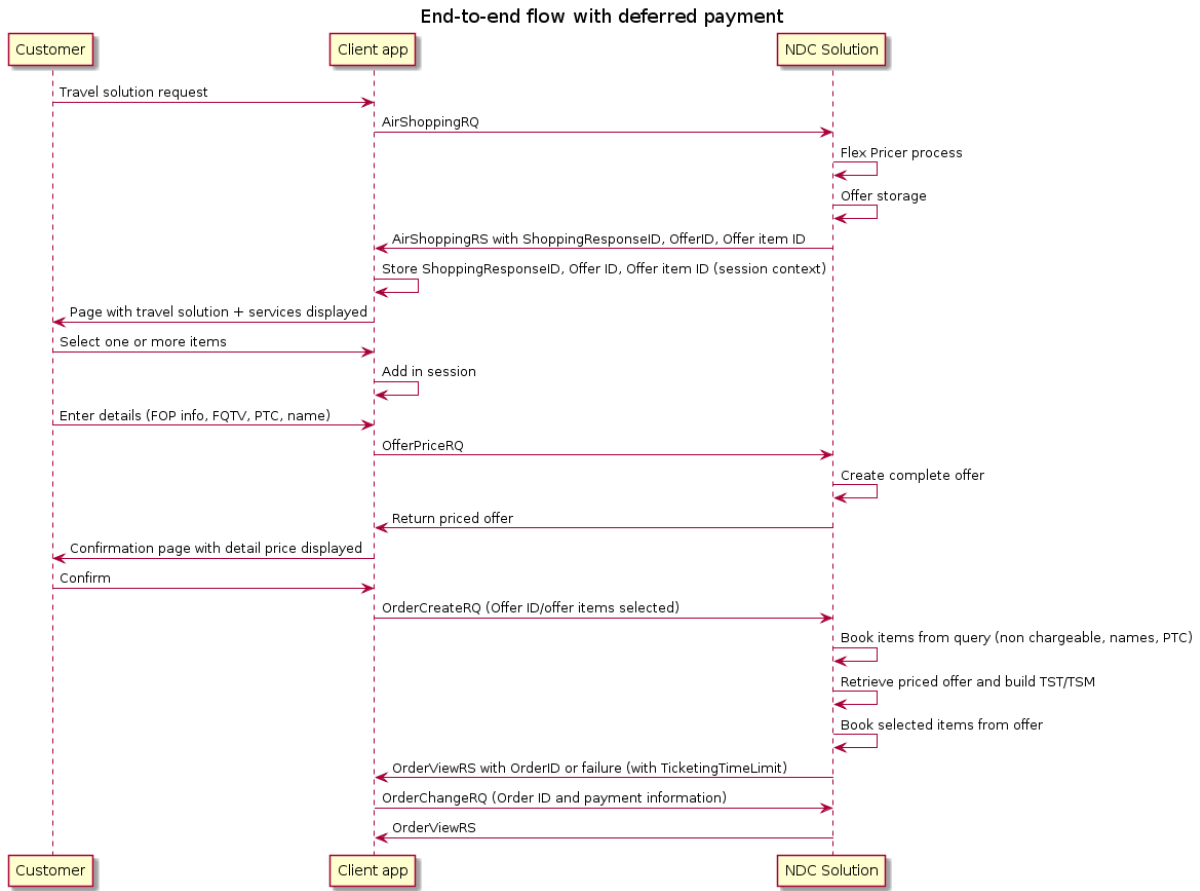
Sequence Diagrams

As a reminder, the following diagram shows the OrderCreate request in the global NDC flow:

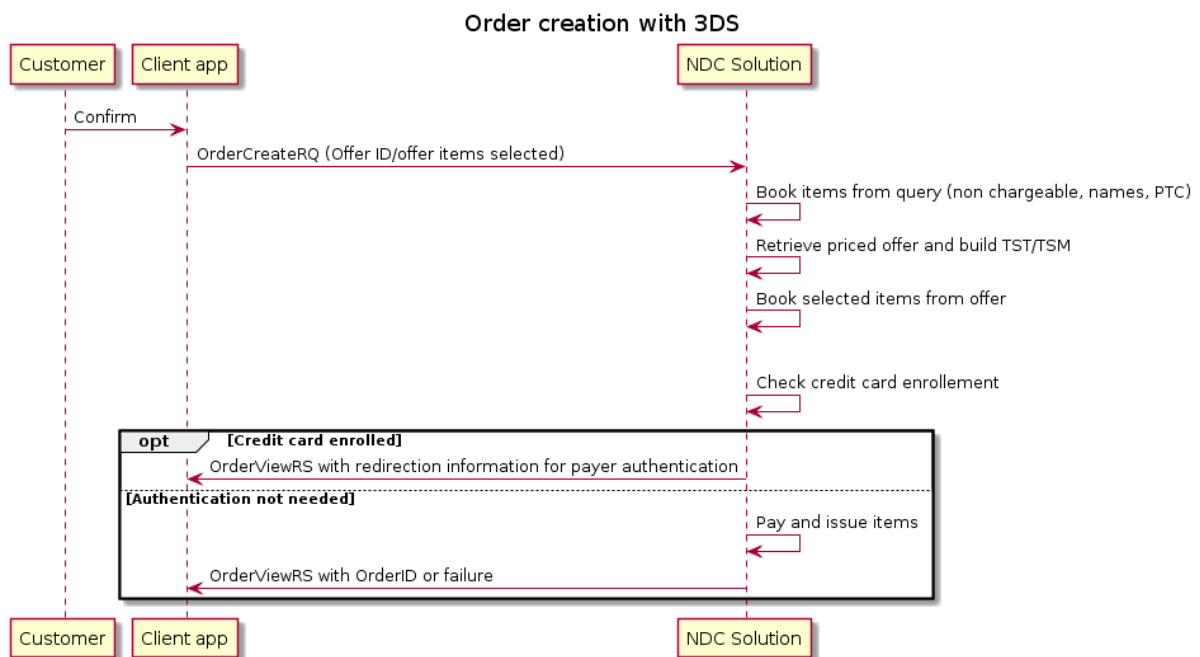
No DeferredPayment



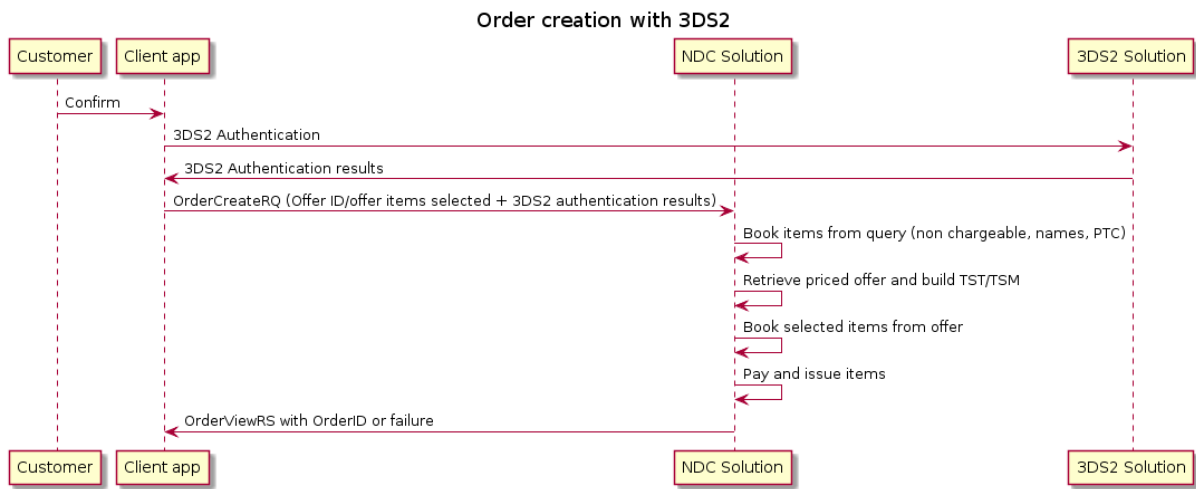
DeferredPayment



3DS



3DS2



Prerequisites

- The AirShopping transaction has been successfully run and at least one valid offer has been stored
- Optional: the ServiceList transaction has been successfully run to get services catalog and update the offer with this new content
- The OfferPrice transaction has been successfully run to refine the offer
- The OrderCreate request is received with valid XML format (defined in XSD)

Building a Query: OrderCreateRQ

Implementation

This section describes the implementation of the input message based on the **NDC schema version 18.1**.

Version

Designation	Repetition	Status	Location	Comments
Message version	1	M	OrderCreateRQ/Payload Attributes/Version	Set to the NDC schema version to which the message complies to.

The value of the reference in the FZ RA element is taken from the **IATA_Number** of the Party structure in OrderCreateRQ.

Example with IATA Number:

```
<Party>
  <Sender>
    <TravelAgency>
      <IATA_Number>12345678</IATA_Number>
      <AgencyID>NCE6X0100</AgencyID>
    </TravelAgency>
  </Sender>
</Party>
```

Corporation

This structure provides the information on CLID (considered only when the offer does not contain a CLID)

Frequent Flyer Traveler information and CLID information from the offer are considered. When the offer does not contain and Frequent Flyer nor CLID, the information is taken from the input.

Designation	Repetition	Status	Location	Comments
CorporateID	0..1	O	Party/Participant/Corporation	CLID (Corporate identifier)
AirlineDesignCode	0..1	O	Party/Participant/OR	The 2-letters code of the Airline associated to the CLID program.

```
<Participant>
  <Corporation>
    <CorporateID>CLID</CorporateID>
  </Corporation>
  <ORA>
    <AirlineDesignCode>6X</AirlineDesignCode>
  </ORA>
</Participant>
```

3DS2

This section contains data to be sent in order to process a Credit Card authorization with 3D Secure 2.x security standard. Those data are the outcome of a 3DS2 authentication, an initial step to be performed externally via a 3DS2 provider (ex. Amadeus Payment Platform).

Whole section has been added to NDC schema version 18.1 via IATA NDC Backport feature known as Secure Payment feature, recently introduced in 19.2, intended to bring 3D-Secure v2.x capabilities to Industry Distribution Standards releases prior to 19.2.

Augmentation Point

In order to leverage the Secure Payment elements and structures within the Backport Schema, implementers are first required to create a consistent baseline of Augmentation Points (Aug Points for short) across the 18.1 messages they intend to use with this feature. For 18.1, this requires particular adjustments for forwards compatibility, since:

- 18.1 messages are not equipped with Aug Points

The requirement for 18.1 implementers looking to leverage Backport Schemas is to inject an Aug Point at the root level of their messages, in line with 18.2 and subsequent releases.

Detailed instructions are provided on [IATA developer website](#), in the Word document part of *Backport_SecurePayment_18.1_v1.0_rc1.zip* file.

Designation	Repeatitions	Status	Location	Comments
Payment method identifier	0..1	O	OrderCreateRQ/AugmentationPoint/SecurePayment/PaymentProcessingDetails/PaymentInfoID	ID of the payment method to which it refers. In case of one single method of payment, it will have value 1.
Secure Payment v2 section	0..1	O	OrderCreateRQ/AugmentationPoint/SecurePayment/PaymentProcessingDetails/PaymentMethod/PaymentCard/SecurePaymentVersion2	Section containing 3DSV2 authentication data
CAVV	0..1	O	SecurePaymentVersion2/AuthenticationTokenValue	Cardholder Authentication Verification Value returned by 3DS2 authentication. It should be base64 encoded.
Directory Server Transaction ID	0..1	O	SecurePaymentVersion2/DirectoryServerTrxID	Directory Server Transaction Identifier returned by 3DS2 authentication. It should be base64 encoded.
Electronic Commerce Indicator	0..1	O	SecurePaymentVersion2/ElectronicCommerceInd	Electronic Commerce Indicator (ECI) returned by 3DS2 authentication.

Designation	Repeats	Status	Location	Comments
3DS Protocol version	0..1	O	SecurePaymentVersion2/ProgramProtocolText	Indicates the 3DS protocol version number. Ex: 2.1.0
Transaction status	0..1	O	SecurePaymentVersion2/TrxStatusText	Transaction status returned by the 3DS2 authentication, it will be received in the EMVCO format.
Context of interaction	0..1	O	SecurePaymentVersion2/PaymentTrxChannel Code	Indicates the context in which the transaction has been generated. Possible values: EC (Ecommerce), MO (Mail Order, paper mail, fax, email), TO (Telephone Order, IVR), FA (Face to face), NS (Not specified)
Payment type code	0..1	O	OrderCreateRQ/AugmentationPoint/SecurePayment/PaymentProcessingDetails/TypeCode	CC (Credit Card)

```

<AugmentationPoint>
  <BP_SP_181:SecurePayment>
    <BP_SP_181:PaymentProcessingDetails>
      <BP_SP_181:PaymentInfoID>1</BP_SP_181:PaymentInfoID>
      <BP_SP_181:PaymentMethod>
        <BP_SP_181:PaymentCard>
          <BP_SP_181:SecurePaymentVersion2>

<BP_SP_181:AuthenticationTokenValue>WTJGeVpHbHVZV3hqYjIxdFpYSmpaV0YxZEdnPQ==</
BP_SP_181:AuthenticationTokenValue>

<BP_SP_181:DirectoryServerTrxID>M2Q1MGY2ZTUtZGY0My00M2M2LWF1YWYtZDY5OTE4NTg0Zj
Rl</BP_SP_181:DirectoryServerTrxID>

<BP_SP_181:ElectronicCommerceInd>05</BP_SP_181:ElectronicCommerceInd>

<BP_SP_181:ProgramProtocolText>2.1.0</BP_SP_181:ProgramProtocolText>
  <BP_SP_181:TrxStatusText>Y</BP_SP_181:TrxStatusText>

<BP_SP_181:PaymentTrxChannelCode>EC</BP_SP_181:PaymentTrxChannelCode>
  </BP_SP_181:SecurePaymentVersion2>
  </BP_SP_181:PaymentCard>
  </BP_SP_181:PaymentMethod>
  <BP_SP_181:TypeCode>CC</BP_SP_181:TypeCode>
  </BP_SP_181:PaymentProcessingDetails>
</BP_SP_181:SecurePayment>
</AugmentationPoint>

```

OrderCreateParameters

In case a redirection can be expected at payment step, for authentication or payment on a third party, this data structure should be provided. For 3DS, it will be included in the PAREQ and also provided in the response as is, to be sent to the ACS in the redirection parameters.

Designation	Repetition	Status	Location	Comments
OrderCreateParameters	1	O	OrderCreateRQ/Request/OrderCreateParameters	
TermURL	1	M	OrderCreateParameters/Alerts/Alert/SecurePaymentAlert/URLs/TermURL	The URL to which the user will be directed at the conclusion of 3D secure authentication. It should be the merchant URL. Example:

Designation	Repetition	Status	Location	Comments
				http://www.mysite.com/confirm
TxnDate	1	0	OrderCreateParameters/Alerts/Alert/SecurePaymentAlert/Details/TxnDates/TxnDate	3D secure merchant data. It is used to convey information the using application wants to keep between the redirection steps. It will be provided by the ACS as a post parameter when it will call the Term URL after the 3DS authentication. It should be base64 encoded.

Note: Any other information entered in the OrderCreateParameters element will be ignored.

Example:

```

<OrderCreateParameters>
  <Alerts>
    <Alert>
      <SecurePaymentAlert>
        <URLs>
          <TermURL>http://www.mysite.com/confirm</TermURL>
        </URLs>
        <Details>
          <TxnDates>
            <TxnDate>ZGF0YT10b3Rv</TxnDate>
          </TxnDates>
        </Details>
      </SecurePaymentAlert>
    </Alert>
  </Alerts>
</OrderCreateParameters>

```

Passengers

Passengers information. For each passenger one Passenger element must be used.

Designation	Repetition	Status	Location	Comments
Passenger Element	1..N	0	OrderCreateRQ/Request/DataLists/PaxList/Pax	One pax element per passenger

Designation	Repetition	Status	Location	Comments
Passenger ID	1	M	Pax/PaxID	ID of the passenger, key that can be referenced in the whole message. It must be the same as the one used in OfferPrice.
Passenger Type	1	O	Pax/PTC	Describes the type of the passenger. Possible values are: ADT, CHD, INF. When not present, ADT is considered by default.
Passenger Association	1	O	Pax/PaxRefID	In case the passenger is an infant on lap, it must be associated to an ADT passenger.
Passenger Individual ID	1	M	Pax/Individual/IndividualID	Same as PaxID as there is no longer anonymous traveler at this step.
Passenger Birth Date	1	O	Pax/Individual/Birthdate	Passenger birth date. Example: YYYY-MM-DD. The birthdate is optional but may be necessary with specific airlines.
Passenger Surname	1	M	Pax/Individual/Surname	Passenger's family name
Passenger First Name	1..5	M	Pax/Individual/GivenName	Passenger's first name(s). At least one is mandatory for PNR creation.
Passenger Name Title	1	O	Pax/Individual/TitleName	Passenger's title. Examples: MR, MRS, DR... Free-text criteria, no check about format/content is done.
Passenger Gender	1	O	Pax/Individual/Gender Code	Passenger's gender. This value does not appear in PNR Display. XSD Possible values: Male, Female, Unknown or Other. The logic to translate them into IATA standard genders is :

Designation	Repetition	Status	Location	Comments
				Male => M, Female => F, Unknown, Other or missing gender => X.
Passenger Language	1	O	Pax/Language/LangCo de	Passenger's language. Used only for notification contacts.
Passenger Frequent Flyer Information (considered only when the offer does not contain any Frequent Flyer)				
Passenger Loyalty Program Account	0..N	O	Pax/LoyaltyProgramAc count	Frequent Flyer Traveler information of the passenger. Note: Frequent Flyer Traveler information and CLID information from the offer are considered. When the offer does not contain and Frequent Flyer nor CLID, the information is taken from the input.
Company Code	1	M	LoyaltyProgramAccoun t/Carrier/AirlineDesigC ode	The 2-letters code of the Airline sponsoring the Frequent Flyer Traveler program
Card Number	1	M	LoyaltyProgramAccoun t/AccountNumber	The number identifying the Frequent Flyer Traveler account
Remarks				
Remarks	0..N	O	Pax/Remark	Remarks about a passenger
Remark Content	1	M	Remark/RemarkText	Information of the remark
Passenger Identity document				
Passenger identity document	0..N	O	Pax/IdentityDoc	Identification document for a passenger
Type of passenger document	1	M	IdentityDoc/IdentityDo cTypeCode	The type of passenger document. Example: PT (passport)

Designation	Repetition	Status	Location	Comments
Document ID value	1	M	IdentityDoc/IdentityDocID	Example: NY122345
Date of Expiration	1	M	IdentityDoc/ExpiryDate	Example: 2017-01-13. Mandatory for the processing
Country of Issuance	1	M	IdentityDoc/IssuingCountryCode	Country code (ISO 3166 2-alpha) from where the document has been issued. Mandatory for the processing
Country of Residence	1	M	IdentityDoc/ResidenceCountryCode	Country code (ISO 3166 2-alpha) where passenger resides. Mandatory for the processing
Passenger Contacts				
Contact	1..N	M	OrderCreateRQ/Request/DataLists/ContactInfoList/ContactInfo	A contact for a passenger
Contact Type	1	O	ContactInfo/ContactTypeText	The contact type. Examples: Standard, Notification, Billing or Mailing. If not provided, it is defaulted to Standard.
Passenger Reference	1	O	ContactInfo/IndividualRefID	Reference to the passenger for which this contact applies.
Passenger Email	0..N	O	ContactInfo/EmailAddress	Email contact for a passenger
Passenger Email Label	1	O	EmailAddress/LabelText	Possible values are: AGENCY, BUSINESS, HOME, INFORMATION, NONE.
Passenger Email Address	1	M	EmailAddress/EmailAddressText	The passenger email address for contact. At least one mandatory if no phone contact.

Designation	Repetition	Status	Location	Comments
Passenger Phone	0..N	O	ContactInfo/Phone	Phone contact for a passenger
Passenger Phone Label	1	M	Phone/LabelText	Possible values are: AGENCY, BUSINESS, HOME, INFORMATION, MOBILE, NONE. Should be set to MOBILE in case of ContactTypeText = 'Notification'
Passenger Phone Country code	1	O	Phone/CountryDialingCode	The passenger phone country code. Example: 33. Format with a '+' (like +33) is only accepted in case of ContactTypeText = 'Standard'
Passenger Phone Number	1	M	Phone/PhoneNumber	The passenger phone number. At least one mandatory if no email contact.
Address of Billing/Mailing (not mandatory in the RQ)				
Passenger Postal Address	0..N	O	ContactInfo/PostalAddress	Postal Address contact for a passenger
Street	1..2	M	PostalAddress/StreetText	Street name. At least 1 is mandatory. Example: Route des Dolines
City Name	1	O	PostalAddress/CityName	Example: Sophia-Antipolis
Postal Code	1	O	PostalAddress/PostalCode	Example: 06320
Country SubDivision Name	1	O	PostalAddress/CountrySubDivisionName	Example: FLORIDA
Country Code	1	O	PostalAddress/CountryCode	Example: FR
Name	1	O	ContactInfo/Individual	In case another person is paying for the ticket, this person information must be

Designation	Repetition	Status	Location	Comments
				provided here. Otherwise, the information from the associated passenger is used.
Last name	1	M	ContactInfo/Individual/Surname	Example: Dupont
First name	0..5	O	ContactInfo/Individual/GivenName	Example: Jean
Title	1	O	ContactInfo/Individual/TitleName	Example: MR

India GST specific format

Designation	Repetition	Status	Location	Comments
Specific GST contact				
Contact	0..1	O	OrderCreateRQ/Request/DataLists/ContactInfoList/ContactInfo	Dedicated contact for GST data
Contact Type	1	M	ContactInfo/ContactTypeText	The contact type: GST
Passenger Reference	0..1	O	ContactInfo/IndividualReferenceID	Reference to the passenger for which this GST contact applies.
Passenger Email	0..1	O	ContactInfo/EmailAddresses	GST Email contact for a passenger
Passenger Email Label	1	O	EmailAddress/LabelText	Possible values are: AGENCY, BUSINESS, HOME, INFORMATION, NONE.
Passenger Email Address	1	M	EmailAddress/EmailAddressText	The GST email address for contact.
Passenger Phone	0..2	O	ContactInfo/Phone	GST Phone contact for a passenger
Passenger Phone Label	1	O	Phone/LabelText	Possible values are: AGENCY, BUSINESS,

Designation	Repetition	Status	Location	Comments
				HOME, INFORMATION, MOBILE, NONE.
Passenger Phone Country code	1	O	Phone/CountryDialingCode	The passenger phone country code. Example: 33.
Passenger Phone Number	1	M	Phone/PhoneNumber	The passenger phone number.
Passenger Postal Address	0..1	O	ContactInfo/PostalAddress	Postal Address contact of the company
Street	1..2	M	PostalAddress/StreetText	Street name. At least 1 is mandatory. Example: Route des Dolines
City Name	1	O	PostalAddress/CityName	Example: Sophia-Antipolis
Postal Code	1	M	PostalAddress/PostalCode	Example: 06320
Country SubDivision Name	1	O	PostalAddress/CountrySubDivisionName	Example: TAMIL NADU
Country Code	1	M	PostalAddress/CountryCode	Example: FR
Other Address	2	M	ContactInfo/OtherAddresses	GSTIN or company names
Other Address Label	1	M	OtherAddress/LabelText	Label. Can be GSTIN or COMPANY
Other Address Data	1	M	OtherAddress/OtherAddressText	Either GSTIN number (if label is GSTIN) or company name (if label is COMPANY)

If GSTIN, Company Name, Postal Address or Country Code are missing in the GST contact, then process continue but a warning is returned.

Note: Any other passenger information entered in the query will be ignored.

Example:

```

<DataLists>
  <PaxList>
    <Pax>
      <PaxID>PAX1</PaxID>
      <PTC>ADT</PTC>
      <IdentityDoc>
        <IdentityDocID>0123456789</IdentityDocID>
        <IdentityDocTypeCode>PT</IdentityDocTypeCode>
        <IssuingCountryCode>FR</IssuingCountryCode>
        <ResidenceCountryCode>FR</ResidenceCountryCode>
        <ExpiryDate>2018-08-13</ExpiryDate>
      </IdentityDoc>
      <Individual>
        <IndividualID>PAX1</IndividualID>
        <Birthdate>1987-10-12</Birthdate>
        <GenderCode>F</GenderCode>
        <TitleName>MRS</TitleName>
        <GivenName>Anne</GivenName>
        <Surname>Dessee</Surname>
      </Individual>
      <Language>
        <LangCode>EN</LangCode>
      </Language>
      <LoyaltyProgramAccount>
        <AccountNumber>000000000</AccountNumber>
        <Carrier>
          <AirlineDesigCode>6X</AirlineDesigCode>
        </Carrier>
      </LoyaltyProgramAccount>
      <LoyaltyProgramAccount>
        <AccountNumber>2290</AccountNumber>
        <ProgramCode>CLID</ProgramCode>
        <Carrier>
          <AirlineDesigCode>6X</AirlineDesigCode>
        </Carrier>
      </LoyaltyProgramAccount>
      <Remark>
        <RemarkText>DESSEE FAMILY TRIP</RemarkText>
      </Remark>
    </Pax>
  </PaxList>
  <ContactInfoList>
    <ContactInfo>
      <ContactTypeText>Notification</ContactTypeText>
      <IndividualRefID>PAX1</IndividualRefID>
      <EmailAddress>
        <EmailAddressText>everywhere-
dessee@mail.com</EmailAddressText>
      </EmailAddress>
    </ContactInfo>
    <ContactInfo>
      <IndividualRefID>PAX1</IndividualRefID>
      <Phone>
        <LabelText>Mobile</LabelText>
        <CountryDialingCode>33</CountryDialingCode>
        <PhoneNumber>92946493</PhoneNumber>
      </Phone>
      <EmailAddress>
        <EmailAddressText>home-dessee@mail.com</EmailAddressText>
      </EmailAddress>
    </ContactInfo>
  </ContactInfoList>

```

```

    <ContactTypeText>Billing</ContactTypeText>
    <IndividualRefID>PAX1</IndividualRefID>
      <PostalAddress>
        <StreetText>350 FIFTH AVENUE</StreetText>
        <PostalCode>NY 10001</PostalCode>
        <CityName>NEW York City</CityName>
        <CountrySubDivisionName>NEW
YORK</CountrySubDivisionName>
        <CountryCode>US</CountryCode>
      </PostalAddress>
      <Individual>
        <GivenName>Toto</GivenName>
        <Surname>Dessee</Surname>
      </Individual>
    </ContactInfo>
  </ContactInfo>
  <ContactTypeText>Mailing</ContactTypeText>
  <IndividualRefID>PAX1</IndividualRefID>
  <PostalAddress>
    <StreetText>8 route des dolines</StreetText>
    <PostalCode>06300</PostalCode>
    <CityName>Sophia</CityName>

  <CountrySubDivisionName>Florida</CountrySubDivisionName>
    <CountryCode>FR</CountryCode>
  </PostalAddress>
</ContactInfo>
</ContactInfoList>
</DataLists>

```

[Example with GST data:](#)

```

<DataLists>
  <PaxList>
    <Pax>
      <PaxID>PAX1</PaxID>
      <PTC>ADT</PTC>
      <IdentityDoc>
        <IdentityDocID>0123456789</IdentityDocID>
        <IdentityDocTypeCode>PT</IdentityDocTypeCode>
        <IssuingCountryCode>FR</IssuingCountryCode>
        <ResidenceCountryCode>FR</ResidenceCountryCode>
        <ExpiryDate>2018-08-13</ExpiryDate>
      </IdentityDoc>
      <Individual>
        <IndividualID>PAX1</IndividualID>
        <Birthdate>1987-10-12</Birthdate>
        <GenderCode>F</GenderCode>
        <TitleName>MRS</TitleName>
        <GivenName>Anne</GivenName>
        <Surname>Dessee</Surname>
      </Individual>
      <Language>
        <LangCode>EN</LangCode>
      </Language>
      <LoyaltyProgramAccount>
        <AccountNumber>11111NDC</AccountNumber>
        <Carrier>
          <AirlineDesigCode>6X</AirlineDesigCode>
        </Carrier>
      </LoyaltyProgramAccount>
      <Remark>
        <RemarkText>DESSEE FAMILY TRIP</RemarkText>
      </Remark>
    </Pax>
  </PaxList>
  <ContactInfoList>
    <ContactInfo>
      <ContactTypeText>Notification</ContactTypeText>
      <IndividualRefID>PAX1</IndividualRefID>
      <EmailAddress>
        <EmailAddressText>everywhere-
dessee@mail.com</EmailAddressText>
      </EmailAddress>
    </ContactInfo>
    <ContactInfo>
      <IndividualRefID>PAX1</IndividualRefID>
      <Phone>
        <LabelText>Mobile</LabelText>
        <CountryDialingCode>33</CountryDialingCode>
        <PhoneNumber>92946493</PhoneNumber>
      </Phone>
      <EmailAddress>
        <EmailAddressText>home-dessee@mail.com</EmailAddressText>
      </EmailAddress>
    </ContactInfo>
    <ContactInfo>
      <ContactTypeText>Billing</ContactTypeText>
      <IndividualRefID>PAX1</IndividualRefID>
      <PostalAddress>
        <StreetText>10 rue de Rivoli</StreetText>
        <PostalCode>75004</PostalCode>
        <CityName>Paris</CityName>
      </PostalAddress>
    </ContactInfo>
  </ContactInfoList>

```

```

<CountrySubDivisionName>Florida</CountrySubDivisionName>
  <CountryCode>FR</CountryCode>
  </PostalAddress>
  <Individual>
    <GivenName>Toto</GivenName>
    <Surname>Dessee</Surname>
  </Individual>
</ContactInfo>
<ContactInfo>
  <ContactTypeText>Mailing</ContactTypeText>
  <IndividualRefID>PAX1</IndividualRefID>
  <PostalAddress>
    <StreetText>8 route des dolines</StreetText>
    <PostalCode>06300</PostalCode>
    <CityName>Sophia</CityName>
  </PostalAddress>
</ContactInfo>
<CountrySubDivisionName>Florida</CountrySubDivisionName>
  <CountryCode>FR</CountryCode>
  </PostalAddress>
</ContactInfo>
<ContactInfo>
  <ContactTypeText>GST</ContactTypeText>
  <PostalAddress>
    <StreetText>TATA CONSULTANCY SERVICES</StreetText>
    <StreetText>11 FLOOR OMR SIRUSERI</StreetText>
    <PostalCode>603024</PostalCode>
    <CityName>CHENNAI</CityName>
    <CountrySubDivisionName>TAMILNADU</CountrySubDivisionName>
    <CountryCode>IN</CountryCode>
  </PostalAddress>
  <OtherAddress>
    <LabelText>GSTIN</LabelText>
    <OtherAddressText>22AAAAA0000A1Z5</OtherAddressText>
  </OtherAddress>
  <OtherAddress>
    <LabelText>COMPANY</LabelText>
    <OtherAddressText>TCS</OtherAddressText>
  </OtherAddress>
  <Phone>
    <LabelText>BUSINESS</LabelText>
    <CountryDialingCode>91</CountryDialingCode>
    <PhoneNumber>04498765432</PhoneNumber>
  </Phone>
  <Phone>
    <LabelText>MOBILE</LabelText>
    <CountryDialingCode>91</CountryDialingCode>
    <PhoneNumber>04498765433</PhoneNumber>
  </Phone>
  <EmailAddress>
    <EmailAddressText>tcs@gst.com</EmailAddressText>
  </EmailAddress>
</ContactInfo>
</ContactInfoList>
</DataLists>

```

CreateOrder

The CreateOrder structure contains all the elements the user decides to book, coming from previous AirShopping and SeatAvailability requests.

In the current release, one and only one Offer from Shopping must be selected per transaction.

Designation	Repetition	Status	Location	Comments
Shopping Offer	1	M	OrderCreateRQ/Request/CreateOrder/SelectedOffer	Order element from Shopping. Only one is supported
Offer ID	1	M	SelectedOfferItem/OfferID	The unique Offer ID (value received in output of the shopping transaction)
Offer Owner	1	M	SelectedOffer/OwnerCode	Airline owning the Offer
Shopping Response ID	1	M	SelectedOffer/ShoppingResponseRefID	It is sent empty as mandatory element
Offer Items	1..N	M	SelectedOffer/SelectedOfferItem	One OfferItem element for each offer item to book
Offer Item ID	1	M	SelectedOffer/SelectedOfferItem/OfferItemID	The Offer Item ID (value received in output of the shopping transaction)
Offer Item Passengers	1..N	M	SelectedOffer/SelectedOfferItem/PaxRefID	Reference(s) to the passenger(s) associated with the Offer items. Either the field is repeated for each pax, or only one repetition and pax IDs are separated by spaces.
Freetext for service booking				
SelectedServiceID	0..1	O	SelectedOffer/SelectedOfferItem/SelectedBundleServices/SelectedServiceID	Should be filled only if a freetext should be provided to book the offer item. A ServiceDefinition in DataLists/ServiceDefinitionList should be provided with it.
Offer items from SeatAvailability				
Seat Offer	0..N	O	OrderCreateRQ/Request/CreateOrder/CreateOrderItem	Order element from SeatAvailability.

Designation	Repetition	Status	Location	Comments
Seat Offer ID	1	M	CreateOrderItem/OfferItemID	User defined ID for the Seat Offer.
Seat Offer Owner	1	M	OfferItemID/@Owner	Same owner as the one of the Shopping Offer.
OfferItemType	1	M	CreateOrderItem/OfferItemType	Type of Offer item. Only accepted value is SeatItem.
Seat Data	1	M	OfferItemType/SeatItem/Location	Seat information from SeatAvailability
Seat Column	1	M	SeatItem/Location/Column	Example: 'B'
Seat Row	1	M	SeatItem/Location/Row/Number	Example: '12'
Seat Segment Association	1	M	SeatItem/Location/Associations/Flight/SegmentReferences	Id of a segment returned in a previous message. Only one..
Seat Passenger Association	1	M	SeatItem/Location/Associations/Passengers/PassengerReferences	Reference to PaxList to define for which passenger this seat is for. Only one..
Seat Characteristic	1	O	/SeatItem/Location/Characteristics/Characteristic/Code	Seat characteristic. Bassinet Seat For bassinet seat booking, Code=BSCT

[Example: Selection of 1 OfferID containing 1 mandatory OfferItem and one chargeable OfferItem representing a bag:](#)

```

<SelectedOffer>
  <OfferID>OFF-1</OfferID>
  <OwnerCode>6X</OwnerCode>
  <ShoppingResponseRefID></ShoppingResponseRefID>
  <SelectedOfferItem>
    <OfferItemID>OFF-1-1</OfferItemID>
    <PaxRefID>PAX1</PaxRefID>
  </SelectedOfferItem>
  <SelectedOfferItem>
    <OfferItemID>OFF-1-2</OfferItemID>
    <PaxRefID>PAX1</PaxRefID>
  </SelectedOfferItem>
</SelectedOffer>

```

Example: Selection of 1 OfferID containing 1 mandatory OfferItem and one chargeable OfferItem representing a bag:

```
<SelectedOffer>
  <OfferID>OFF-1</OfferID>
  <OwnerCode>6X</OwnerCode>
  <ShoppingResponseRefID></ShoppingResponseRefID>
  <SelectedOfferItem>
    <OfferItemID>OFF-1-1</OfferItemID>
    <PaxRefID>PAX1</PaxRefID>
  </SelectedOfferItem>
  <SelectedOfferItem>
    <OfferItemID>OFF-1-2</OfferItemID>
    <PaxRefID>PAX1</PaxRefID>
  </SelectedOfferItem>
</SelectedOffer>
```

Example: Selection of 1 OfferID containing 1 mandatory OfferItem and 1 pet service associated to a flight in the OfferItem, with a mandatory freetext:

```
<CreateOrder>
  <SelectedOffer>
    <OfferID>OFF-1</OfferID>
    <OwnerCode>6X</OwnerCode>
    <ShoppingResponseRefID></ShoppingResponseRefID>
    <SelectedOfferItem>
      <OfferItemID>OFF-1-1</OfferItemID>
      <PaxRefID>PAX1</PaxRefID>
    </SelectedOfferItem>
    <SelectedOfferItem>
      <OfferItemID>OFF-1-2</OfferItemID>
      <PaxRefID>PAX1</PaxRefID>
      <SelectedBundleServices>
        <SelectedServiceID>SERV1</SelectedServiceID>
      </SelectedBundleServices>
    </SelectedOfferItem>
  </SelectedOffer>
</CreateOrder>
```

Example: Selection of 1 OfferID containing 1 mandatory OfferItem and 1 seat:

```

<CreateOrder>
  <SelectedOffer>
    <OfferID>SP2F-9892340566661115461-7</OfferID>
    <OwnerCode>6X</OwnerCode>
    <ShoppingResponseRefID/>
    <SelectedOfferItem>
      <OfferItemID>SP2F-9892340566661115461-7-1</OfferItemID>
      <PaxRefID>PAX1</PaxRefID>
    </SelectedOfferItem>
  </SelectedOffer>
  <CreateOrderItem>
    <OfferItemID Owner="6X">SEAT1</OfferItemID>
    <OfferItemType>
      <SeatItem>
        <Location>
          <Column>B</Column>
          <Row>
            <Number>12</Number>
          </Row>
          <Associations>
            <Passengers>
              <PassengerReferences>PAX1</PassengerReferences>
            </Passengers>
            <Flight>
              <SegmentReferences>SEG1</SegmentReferences>
            </Flight>
          </Associations>
        </Location>
      </SeatItem>
    </OfferItemType>
  </CreateOrderItem>
</CreateOrder>

```

Pack of services with seat

Example: Selection of a pack of services containing a seat:

```

<ns:CreateOrder>
  <ns:SelectedOffer>
    <ns:OfferID>SUL6-5066782168727170806-1</ns:OfferID>
    <ns:OwnerCode>6X</ns:OwnerCode>
    <ns:ShoppingResponseRefID/>
    <ns:SelectedOfferItem>
      <ns:OfferItemID>SUL6-5066782168727170806-1-1</ns:OfferItemID>
      <ns:PaxRefID>PAX1</ns:PaxRefID>
    </ns:SelectedOfferItem>
    <ns:SelectedOfferItem>
      <ns:OfferItemID>SUL6-5066782168727170806-1-23</ns:OfferItemID>
      <ns:PaxRefID>PAX1</ns:PaxRefID>
    </ns:SelectedOfferItem>
  </ns:SelectedOffer>
  <ns:CreateOrderItem>
    <ns:OfferItemID Owner="6X">SEAT1</ns:OfferItemID>
    <ns:OfferItemType>
      <ns:SeatItem>
        <ns:Location>
          <ns:Column>B</ns:Column>
          <ns:Row>
            <ns:Number>10</ns:Number>
          </ns:Row>
          <ns:Associations>
            <ns:Passengers>
              <ns:PassengerReferences>PAX1</ns:PassengerReferences>
            </ns:Passengers>
            <ns:Flight>
              <ns:SegmentReferences>SEG2</ns:SegmentReferences>
            </ns:Flight>
          </ns:Associations>
        </ns:Location>
      </ns:SeatItem>
    </ns:OfferItemType>
  </ns:CreateOrderItem>
</ns:CreateOrder>

```

Payments

Forms of payment are listed in the PaymentInfo element. For each FOP one PaymentInfo element must be used (currently CC, Cash and Other in scope only).

DeferredPayment

If no FOP is specified system processes the transaction using deferred payment flow, if the carrier in the itinerary supports deferred payments. In case deferred payment is used, the Payment section can be ignored in all the OrderCreate examples below and the OrderView will display Payments and TicketDocInfos sections only after OrderChange call.

Notes:

- In the current release a single method of payment is accepted per offer

Designation	Repetition	Status	Location	Comments
PaymentInfo	0..N	O	OrderChangeRQ/Request/PaymentInfo	
Amount	1	M	/PaymentInfo/Amount	The amount for this FOP. Mandatory for the processing. The "CurCode" attribute is used to give the currency
TypeCode	1	M	/PaymentInfo/TypeCode	Payment code (CC, CA, etc).
Credit card details				
PaymentCard	1	O	/PaymentInfo/PaymentMethod/PaymentCard	Payment Card Method
CardNumber	1	M	/PaymentInfo/PaymentMethod/PaymentCard/CardNumber	Credit card number
SeriesCode	1	O	/PaymentInfo/PaymentMethod/PaymentCard/SeriesCode	Verification digits (ex: 123)
ApprovalCode	1	O	/PaymentInfo/PaymentMethod/PaymentCard/ApprovalCode	Credit card external approval code. Should be allowed via configuration. Maximum length: 8 characters.
CreditCardVendorCode	1	O	/Payment/PaymentMethod/PaymentCard/CreditCardVendorCode	This is the type of the payment card (CA, VI...).
ExpirationDate	1	M	/Payment/PaymentMethod/PaymentCard/ExpirationDate	Credit card expiry date
Credit card holder contact				
CardholderContactInfo	1	O	/PaymentInfo/PaymentMethod/PaymentCard/CardholderContactInfo	
StreetText	0..2	O	CardholderContactInfo/StreetText	Street name and number

Designation	Repetition	Status	Location	Comments
PostalCode	0..1	O	/CardholderContactInfo/PostalCode	
CityName	0..1	O	/CardholderContactInfo/CityName	
Country SubDivision Name	1	O	CardholderContactInfo/CountrySubDivisionName	Example: FLORIDA
CountryCode	0..1	O	/CardholderContactInfo/CountryCode	ISO country code. Example: US, FR.
Cash				
Cash	0..1	O	/PaymentInfo/PaymentMethod/Cash	Used to indicate payment in cash.
CashInd	1	M	/PaymentInfo/PaymentMethod/Cash/CashInd	Must be set to "true".
Other (freetext methods of payment)				
OtherPaymentMethod	0..1	O	/PaymentInfo/PaymentMethod/OtherPaymentMethod	Used for freetext methods of payment. The Fopcode is taken from the TypeCode tag.
RemarkText	0..1	O	/PaymentInfo/PaymentMethod/OtherPaymentMethod/Remark/RemarkText	Freetext value for the freetext method of payment.

Note: Any other Payment information entered in the query will be ignored.

CC Example:

```

<PaymentInfo>
  <Amount CurCode="EUR">4432.48</Amount>
  <TypeCode>CC</TypeCode>
  <PaymentMethod>
    <PaymentCard>
      <CardNumber>4147200000000002</CardNumber>
      <SeriesCode>123</SeriesCode>
      <CreditCardVendorCode>VI</CreditCardVendorCode>
      <ExpirationDate>1020</ExpirationDate>
      <CardholderContactInfo>
        <StreetText>350 FIFTH AVENUE</StreetText>
        <PostalCode>NY 10001</PostalCode>
        <CityName>New York City</CityName>
          <CountrySubDivisionName>NEW YORK</CountrySubDivisionName>
        <CountryCode>US</CountryCode>
      </CardholderContactInfo>
    </PaymentCard>
  </PaymentMethod>
  <PayerContactInfo>
    <Individual>
      <Surname>Dessee</Surname>
    </Individual>
  </PayerContactInfo>
</PaymentInfo>

```

[CC Example with external approval code:](#)

```

<PaymentInfo>
  <Amount CurCode="EUR">4432.48</Amount>
  <TypeCode>CC</TypeCode>
  <PaymentMethod>
    <PaymentCard>
      <CardNumber>4147200000000002</CardNumber>
      <SeriesCode>123</SeriesCode>
      <ApprovalCode>12345</ApprovalCode>
      <CreditCardVendorCode>VI</CreditCardVendorCode>
      <ExpirationDate>1020</ExpirationDate>
      <CardholderContactInfo>
        <StreetText>350 FIFTH AVENUE</StreetText>
        <PostalCode>NY 10001</PostalCode>
        <CityName>New York City</CityName>
        <CountrySubDivisionName>NEW YORK</CountrySubDivisionName>
      </CardholderContactInfo>
    </PaymentCard>
  </PaymentMethod>
  <PayerContactInfo>
    <Individual>
      <Surname>Dessee</Surname>
    </Individual>
  </PayerContactInfo>
</PaymentInfo>

```

Cash Example:

```

<PaymentInfo>
  <Amount CurCode="EUR">4432.48</Amount>
  <TypeCode>CA</TypeCode>
  <PaymentMethod>
    <Cash>
      <CashInd>true</CashInd>
    </Cash>
  </PaymentMethod>
</PaymentInfo>

```

Other Example:


```

<PaymentInfo>
  <Amount CurCode="EUR">100.00</Amount>
  <TypeCode>EXT</TypeCode>
  <PaymentMethod>
    <OtherPaymentMethod>
      <Remark>
        <RemarkText>123465789</RemarkText>
      </Remark>
    </OtherPaymentMethod>
  </PaymentMethod>
</PaymentInfo>

```

InstructionsList

This list has to be used to request OSI (Other Service Information). One Instruction element per OSI.

Attribute:

- **ListKey:** The ListKey attribute is mandatory.

Designation	Repetition	Status	Location	Comments
Special Need Order Booking Method	1	M	InstructionsList/Instruction/FreeFormTextInstruction	
Instruction Text	1	O	/FreeFormTextInstruction/Remark	
Passenger association	1..n	O	/Instruction[@refs]	Associated passenger id(s), split with a space

Example:

```

<InstructionsList>
  <Instruction ListKey="LK1" refs="PAX1">
    <FreeFormTextInstruction>
      <Remark>VIP BMW CORP</Remark>
    </FreeFormTextInstruction>
  </Instruction>
</InstructionsList>

```

ServiceDefinitions

Services definition details. **This element is only mandatory if a freetext has to be provided to book a service.**

This information is returned in ServiceList response in ServiceDefinition node. The BookingInstructions node is used to specify the format of the free text to be sent to book the service.

Designation	Repetition	Status	Location	Comments
ServiceDefinition	0..n	O	OrderCreateRQ/Request/Datalists/ServiceDefinitionList/ServiceDefinition	
ServiceDefinitionID	1	M	/ServiceDefinition/ServiceDefinitionID	Should be the ID referenced in the AddOfferItem.
Name	1	M	/ServiceDefinition/Name	Mandatory in schema, not processed by the system.
Description	1..N	M	Mandatory in schema, not processed by the system.	
Text	1	O	/ServiceDefinition/BookingInstructions/Text	Freetext for service booking

Example:

```

<DataLists>
  <ServiceDefinitionList>
    <ServiceDefinition>
      <ServiceDefinitionID>SERV1</ServiceDefinitionID>
      <Name>PET</Name>
      <Description>
        <DescID>PET</DescID>
      </Description>
      <BookingInstructions>
        <Text>DOG</Text>
      </BookingInstructions>
    </ServiceDefinition>
  </ServiceDefinitionList>
</DataLists>

```

Promotion code

Promo code that applied on the offer at OfferPrice needs to be in input of the orderCreate. A check is done on the promo code.

Designation	Repetition	Status	Location	Comments
Promotion code	0..n	0	OrderCreateRQ/Request/Promotion/PromotionID	
Associated carrier	0..n	0	OrderCreateRQ/Request/Promotion/PromotionIssuer/Carrier/AirlineDesigCode	carrier code of owner of the promotion code.

Example:

```

<Promotion>
  <PromotionID>NDC-PROMO_20</PromotionID>
  <PromotionIssuer>
    <Carrier>
      <AirlineDesigCode>6X</AirlineDesigCode>
    </Carrier>
  </PromotionIssuer>
</Promotion>

```

Receiving a Reply: OrderViewRS

An OrderViewRS message is sent in response to the OrderChangeRQ.

Please refer to the [OrderRetrieve 18.1 Implementation guide](#) for the implementation of this message.

Troubleshooting

Input Validation Errors

Invalid passenger selection: the passenger information in OrderCreateRQ are not aligned with the content of the offer.

Possible causes: - the number of passengers in OrderCreateRQ is different from the number of passengers in the offer - the passenger types (PTC) OrderCreateRQ are different from the passenger types in the offer - the offer has been created with some FQTV information and there is no FQTV information present in OrderCreateRQ

Invalid offer item selection: OrderCreateRQ only contains optional offer items

314 Name element data invalid: A passenger name is invalid

149 Surname too long: A passenger name is too long

43442 Unable to retrieve offer: the offer ID doesn't exist

Invalid Text Data: the passenger's Date of Birth is missing (mandatory if there is a SSR DOCS with FOID)

Invalid Input Data: the passenger's Gender is invalid

79A Invalid office identification: A party criteria is invalid (IATA number or Office ID)

5093 Invalid Seat Request: the seat characteristics in the offer are not present in the seats requested with SeatAvailabilityRQ message.

911 APPROVAL CODE NOT ALLOWED: A manual approval code for the credit card was provided in the input, but the configuration wasn't set to allow it.

466 UNABLE TO CREATE PAYMENT SOLUTION: the form of payment is invalid, or the amount to pay incorrect

911 CORPORATE ACCOUNT NOT FOUND: the CLID provided in input is invalid

911 SSR FQTV ADDITION FAILED: the Frequent Flyer traveller information is not valid (profile not existing or name checks fails)

911 TEXT INFORMATION REQUIRED: Free text in ServiceDefinitionList is required to book the service. Instructions are returned in ServiceListRS.

911 NOT AUTHORIZED BY IATA: BSP Authority Check is performed and the travel agent is not allowed to performed such transaction.

INVALID FORM OF PAYMENT: Form of payment not supported

NEED FORM OF PAYMENT: Form of payment required to process the OrderCreate

Input Validation Warnings

38907 SSR FQTV ADDITION FAILED: a FQTV associated to an infant has been ignored because an FQTV associated to an adult passenger exists.

911 REQUESTED CORPORATE PROFILE INFO IGNORED: CLID information from the offer used, Corporate profile information from the input is ignored.

911 REQUESTED TRAVELER PROFILE INFO IGNORED: Frequent Flyer traveller information from the offer used, Frequent Flyer traveller profile information from the input is ignored.

Processing Errors

911 Unable to process - system error

376 Pricing/ticketing error: if there has been an issue at ticket issuance time and the rollback is activated.

Note:

- if the rollback is not activated, OrderViewRS returns a warning.
- in case of OrderChange request and order is already created, OrderViewRS returns a warning

Order not created - Accountable Documents not issued

Order not created

37181 Unable to create order: if one of the flight is not confirmed.

OB FEES PRICING CALCULATION PROBLEM: OB Fees pricing mismatch. Please price the offer again : If OB fees at pricing time don't match the OB fees of the form of payment in OrderCreate Request

Processing warnings

PRESENT CREDIT CARD AT AIRPORT: to be displayed to the pssenger, that will need to present the credit card used for the payment at the airport counter.

Detailed Use Cases

Use case 1: 1 PAX ADT, 1 ROUND-TRIP

Use Case Description

- One PAX ADT with FQTV and other passenger information
- One offer item including one round-trip flight
- No service
- The total amount is paid using a credit card.

Preconditions

- The AirShopping transaction has been successfully run and at least one valid offer for 1 ADT PAX has been stored
- The FlightPrice transaction has been sent to refine the offer content
- The FQTV information has been added to the ADT passenger profile in FlightPriceRQ
- The FQTV information present in input of OrderCreateRQ is the same as the one stored in the offer
- The total amount given in OrderCreateRQ is the same as the one stored in the offer.

```

<OrderCreateRQ
xsi:schemaLocation="http://www.iata.org/IATA/2015/00/2018.1/OrderCreateRQ
OrderCreateRQ.xsd"
xmlns="http://www.iata.org/IATA/2015/00/2018.1/OrderCreateRQ"
xmlns:n2="http://www.altova.com/samplexml/other-namespace"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <PayloadAttributes>
    <Version>6.000</Version>
  </PayloadAttributes>
  <Party>
    <Sender>
      <TravelAgency>
        <AgencyID>NCE6X0100</AgencyID>
        <IATA_Number>12345678</IATA_Number>
      </TravelAgency>
    </Sender>
  </Party>
  <Request>
    <CreateOrder>
      <SelectedOffer>
        <OfferID>SULL-15936259865279991300-25</OfferID>
        <OwnerCode>6X</OwnerCode>
        <ShoppingResponseRefID/>
        <SelectedOfferItem>
          <OfferItemID>SULL-15936259865279991300-25-1</OfferItemID>
          <PaxRefID>PAX1</PaxRefID>
        </SelectedOfferItem>
      </SelectedOffer>
    </CreateOrder>
    <DataLists>
      <ContactInfoList>
        <ContactInfo>
          <IndividualRefID>PAX1</IndividualRefID>
          <Phone>
            <LabelText>Mobile</LabelText>
            <CountryDialingCode>33</CountryDialingCode>
            <PhoneNumber>92946493</PhoneNumber>
          </Phone>
        </ContactInfo>
      </ContactInfoList>
      <PaxList>
        <Pax>
          <PaxID>PAX1</PaxID>
          <PTC>ADT</PTC>
          <Individual>

```

```

        <IndividualID>PAX1</IndividualID>
        <Birthdate>1987-10-12</Birthdate>
        <TitleName>MRS</TitleName>
        <GivenName>Anne</GivenName>
        <Surname>Dessee</Surname>
    </Individual>
    <LoyaltyProgramAccount>
        <AccountNumber>11111NDC</AccountNumber>
        <Carrier>

<AirlineDesigCode>6X</AirlineDesigCode>
        </Carrier>

    </LoyaltyProgramAccount>
    <Remark>
        <RemarkText>DESSEE FAMILY TRIP</RemarkText>
    </Remark>
</Pax>
</PaxList>
</DataLists>
<PaymentInfo>
    <Amount CurCode="EUR">1523.46</Amount>
    <TypeCode>CC</TypeCode>
    <PaymentMethod>
        <PaymentCard>
            <CardNumber>4147200022000006</CardNumber>
            <SeriesCode>123</SeriesCode>
            <CreditCardVendorCode>VI</CreditCardVendorCode>
            <ExpirationDate>1020</ExpirationDate>
        </PaymentCard>
    </PaymentMethod>
</PaymentInfo>
</Request>
</OrderCreateRQ>

```

Table 1 Query


```

<OrderViewRS
  xsi:schemaLocation="http://www.iata.org/IATA/2015/00/2018.1/OrderViewRS
  OrderViewRS.xsd" xmlns:n1="http://www.altova.com/samplexml/other-namespace"
  xmlns:k="http://www.iata.org/IATA/2015/00/2018.1/OrderViewRS"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance">
  <Response>
    <DataLists>
      <ContactInfoList>
        <ContactInfo>
          <ContactInfoID>CTCPAX2</ContactInfoID>
          <ContactTypeText>STANDARD</ContactTypeText>
          <IndividualRef>PAX2</IndividualRef>
          <Phone>
            <LabelText>Mobile</LabelText>
            <CountryDialingCode>33</CountryDialingCode>
            <PhoneNumber>92946493</PhoneNumber>
          </Phone>
        </ContactInfo>
      </ContactInfoList>
      <PaxList>
        <Pax>
          <PaxID>PAX2</PaxID>
          <PTC>ADT</PTC>
          <ContactInfoRefID>CTCPAX2</ContactInfoRefID>
          <Individual>
            <IndividualID>PAX2</IndividualID>
            <Birthdate>1987-10-12</Birthdate>
            <TitleName>MRS</TitleName>
            <GivenName>ANNE</GivenName>
            <Surname>DESSEE</Surname>
          </Individual>
          <LoyaltyProgramAccount>
            <AccountNumber>11111NDC</AccountNumber>
            <Carrier>
              <AirlineDesigCode>6X</AirlineDesigCode>
            </Carrier>
          </LoyaltyProgramAccount>
        </Pax>
      </PaxList>
      <PaxSegmentList>
        <PaxSegment>
          <PaxSegmentID>SEG1</PaxSegmentID>
          <Dep>
            <IATA_LocationCode>HEL</IATA_LocationCode>
          </Dep>
        </PaxSegment>
      </PaxSegmentList>
    </DataLists>
  </Response>
</OrderViewRS>

```

```

        <TerminalName>2</TerminalName>
        <AircraftScheduledDateTime>2017-12-
10T20:20:00</AircraftScheduledDateTime>
        </Dep>
        <Arrival>
            <IATA_LocationCode>CPH</IATA_LocationCode>
            <TerminalName>2</TerminalName>
            <AircraftScheduledDateTime>2017-12-
10T21:21:00</AircraftScheduledDateTime>
            </Arrival>
            <MarketingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>
                <CarrierName>Amadeus</CarrierName>

<MarketingCarrierFlightNumberText>961</MarketingCarrierFlightNumberText>
            <RBD_Code>H</RBD_Code>
            </MarketingCarrierInfo>
        </PaxSegment>
        <PaxSegment>
            <PaxSegmentID>SEG2</PaxSegmentID>
            <Dep>
                <IATA_LocationCode>CPH</IATA_LocationCode>
                <TerminalName>2</TerminalName>
                <AircraftScheduledDateTime>2017-12-
13T20:20:00</AircraftScheduledDateTime>
                </Dep>
                <Arrival>
                    <IATA_LocationCode>HEL</IATA_LocationCode>
                    <TerminalName>2</TerminalName>
                    <AircraftScheduledDateTime>2017-12-
13T22:22:00</AircraftScheduledDateTime>
                    </Arrival>
                    <MarketingCarrierInfo>
                        <CarrierDesigCode>6X</CarrierDesigCode>
                        <CarrierName>Amadeus</CarrierName>

<MarketingCarrierFlightNumberText>960</MarketingCarrierFlightNumberText>
                <RBD_Code>H</RBD_Code>
                </MarketingCarrierInfo>
            </PaxSegment>
        </PaxSegmentList>
    </DataLists>
    <Order>
        <OrderID>6X_U25BQK</OrderID>
        <OwnerCode>6X</OwnerCode>

```

```

<BookingRef>
  <BookingID>U25BQK</BookingID>
  <BookingEntity>
    <Carrier>
      <AirlineDesigCode>6X</AirlineDesigCode>
    </Carrier>
  </BookingEntity>
</BookingRef>
<OrderItem>
  <OrderItemID>6X_U25BQK_BD-1</OrderItemID>
  <OwnerCode>6X</OwnerCode>
  <Price>
    <TotalAmount CurCode="EUR">1523.46</TotalAmount>
  </Price>
  <Service>
    <ServiceID>SEG1_PAX2</ServiceID>
    <PaxRefID>PAX2</PaxRefID>
    <ServiceAssociations>
      <PaxSegmentRefID>SEG1</PaxSegmentRefID>
    </ServiceAssociations>
  </Service>
</OrderItem>
<OrderItem>
  <OrderItemID>6X_U25BQK_BD-2</OrderItemID>
  <OwnerCode>6X</OwnerCode>
  <Price>
    <TotalAmount CurCode="EUR">1523.46</TotalAmount>
  </Price>
  <Service>
    <ServiceID>SEG2_PAX2</ServiceID>
    <PaxRefID>PAX2</PaxRefID>
    <ServiceAssociations>
      <PaxSegmentRefID>SEG2</PaxSegmentRefID>
    </ServiceAssociations>
  </Service>
</OrderItem>
<PaymentInfo>
  <Amount CurCode="EUR">1523.46</Amount>
  <OrderItemRefID>6X_U25BQK_BD-1</OrderItemRefID>
  <OrderItemRefID>6X_U25BQK_BD-2</OrderItemRefID>
  <PaymentMethod>
    <PaymentCard>
      <MaskedCardID>4147XXXXXXXXX0006</MaskedCardID>
      <ApprovalCode>APS10K</ApprovalCode>
      <CardTypeText>VI</CardTypeText>
    </PaymentCard>
  </PaymentMethod>
</PaymentInfo>

```

```

        <ExpirationDate>2020-10-
31T23:59:59.000+01:00</ExpirationDate>
        </PaymentCard>
        </PaymentMethod>
    </PaymentInfo>
    <TotalPrice>
        <TotalAmount CurCode="EUR">1523.46</TotalAmount>
    </TotalPrice>
</Order>
<TicketDocInfos>
    <TicketDocInfo>
        <AgentIDs>
            <AgentID>
                <Type>B</Type>
                <ID>9999WS/SU</ID>
            </AgentID>
        </AgentIDs>
        <TicketDocument>
            <TicketDocNbr>9992461211899</TicketDocNbr>
            <Type>T</Type>
            <NumberOfBooklets>1</NumberOfBooklets>
            <DateOfIssue>2018-02-08+01:00</DateOfIssue>
            <CouponInfo>
                <CouponNumber>1</CouponNumber>
                <Status>I</Status>
                <AssocFareBasis>HPR2FI</AssocFareBasis>
                <AddlBaggageInfo>
                    <AllowableBag Number="2"/>
                </AddlBaggageInfo>
            </CouponInfo>
            <CouponInfo>
                <CouponNumber>2</CouponNumber>
                <Status>I</Status>
                <AssocFareBasis>HPR2FI</AssocFareBasis>
                <AddlBaggageInfo>
                    <AllowableBag Number="2"/>
                </AddlBaggageInfo>
            </CouponInfo>
        </TicketDocument>
        <PassengerReference>PAX2</PassengerReference>
    </TicketDocInfo>
</TicketDocInfos>
</Response>
</OrderViewRS>

```

Table 2 Reply

Use case 2: 2 PAX ADT INF, 1 ROUND-TRIP, 1 Ancillary for ADT with text information

Use Case Description

- One PAX ADT and one PAX INF
- One offer item including one round-trip flight
- 1 ancillary service to be booked with instruction (returned in ServiceList response)
- The total amount is paid using a credit card.

Preconditions

- The AirShopping transaction has been successfully run and at least one valid offer for 1 ADT PAX has been stored
- The offerPrice transaction has been sent to refine the offer content
- The ServiceList transaction has been sent to get the service catalog
- The total amount given in OrderCreateRQ is the same as the one stored in the offer.

Query

Partial response of ServiceList related to ancillary to be booked. BookingInstructions node to know the format to be provided in OrderCreateRQ in ServiceDefinitonList

```

<ns3:ServiceDefinition>
  <ns3:ServiceDefinitionID>SRV1</ns3:ServiceDefinitionID>
  <ns3:OwnerCode>6X</ns3:OwnerCode>
  <ns3:Name>ONE KILOGRAM BAGGAGE</ns3:Name>
  <ns3:ServiceCode>XBAG</ns3:ServiceCode>
  <ns3:ReasonForIssuanceCode>C</ns3:ReasonForIssuanceCode>
  <ns3:ReasonForIssuanceSubCode>0AA</ns3:ReasonForIssuanceSubCode>
  <ns3:Description>
    <ns3:DescID>1</ns3:DescID>
    <ns3:DescText>F</ns3:DescText>
    <ns3:MarkupStyleText>Service_Type</ns3:MarkupStyleText>
  </ns3:Description>
  <ns3:Description>
    <ns3:DescID>2</ns3:DescID>
    <ns3:DescText>01</ns3:DescText>
    <ns3:MarkupStyleText>BKM</ns3:MarkupStyleText>
  </ns3:Description>
  <ns3:Description>
    <ns3:DescID>3</ns3:DescID>
    <ns3:DescText>BG</ns3:DescText>
    <ns3:MarkupStyleText>Group</ns3:MarkupStyleText>
  </ns3:Description>
  <ns3:Description>
    <ns3:DescID>4</ns3:DescID>
    <ns3:Media>
      <ns3:MediaID>13232214</ns3:MediaID>
    </ns3:Media>
  </ns3:Description>
  <ns3:ServiceDefinitionAssociation>
    <ns3:BaggageAllowanceRefID>CBA2</ns3:BaggageAllowanceRefID>
  </ns3:ServiceDefinitionAssociation>
  <ns3:BookingInstructions>
    <ns3:OSIText>TTL\s?%WVAL%KG</ns3:OSIText>
    <ns3:Text>WVAL</ns3:Text>
    <ns3:Text>[0-9]{1,3}</ns3:Text>
  </ns3:BookingInstructions>
  <ns3:Detail>
    <ns3:ServiceItemQuantityRules>
      <ns3:MaximumQuantity>1</ns3:MaximumQuantity>
    </ns3:ServiceItemQuantityRules>
  </ns3:Detail>
</ns3:ServiceDefinition>

```

Table 3 Partial Response in ServiceListRS


```

<OrderCreateRQ xmlns="http://www.iata.org/IATA/2015/00/2018.1/OrderCreateRQ">
  <PayloadAttributes>
    <Version>18.1</Version>
  </PayloadAttributes>
  <Party>
    <Participant>
      <Aggregator>
        <AggregatorID>XXX</AggregatorID>
      </Aggregator>
    </Participant>
    <Recipient>
      <ORA>
        <AirlineDesigCode>6X</AirlineDesigCode>
      </ORA>
    </Recipient>
    <Sender>
      <TravelAgency>
        <AgencyID>NCE6X07XX</AgencyID>
        <IATA_Number>12345678</IATA_Number>
      </TravelAgency>
    </Sender>
  </Party>
  <PointOfSale>
    <Country>
      <CountryCode>SG</CountryCode>
    </Country>
  </PointOfSale>
  <Request>
    <CreateOrder>
      <SelectedOffer>
        <OfferID>SP1F-9896096849135945473-1</OfferID>
        <OwnerCode>6X</OwnerCode>
        <ShoppingResponseRefID/>
        <SelectedOfferItem>
          <OfferItemID>SP1F-9896096849135945473-1</OfferItemID>
          <PaxRefID>PAX1</PaxRefID>
          <PaxRefID>PAX11</PaxRefID>
        </SelectedOfferItem>
        <SelectedOfferItem>
          <OfferItemID>SP1F-9896096849135945473-1-2</OfferItemID>
          <PaxRefID>PAX1</PaxRefID>
          <SelectedBundleServices>
            <SelectedServiceID>SRV1</SelectedServiceID>
          </SelectedBundleServices>
        </SelectedOfferItem>
      </SelectedOffer>
    </CreateOrder>
  </Request>
</OrderCreateRQ>

```



```

    </SelectedOffer>
  </CreateOrder>
  <DataLists>
    <ContactInfoList>
      <ContactInfo>
        <IndividualRefID>PAX1</IndividualRefID>
        <Phone>
          <LabelText>Mobile</LabelText>
          <CountryDialingCode>33</CountryDialingCode>
          <PhoneNumber>92946493</PhoneNumber>
        </Phone>
        <EmailAddress>
          <EmailAddressText>accept@amadeus.com</EmailAddressText>
        </EmailAddress>
      </ContactInfo>
    </ContactInfoList>
    <PaxList>
      <Pax>
        <PaxID>PAX1</PaxID>
        <PTC>ADT</PTC>
        <Individual>
          <IndividualID>PAX1</IndividualID>
          <Birthdate>1987-10-12</Birthdate>
          <TitleName>MRS</TitleName>
          <GivenName>Anne</GivenName>
          <Surname>Dessee</Surname>
        </Individual>
      </Pax>
      <Pax>
        <PaxID>PAX11</PaxID>
        <PTC>INF</PTC>
        <PaxRefID>PAX1</PaxRefID>
        <Individual>
          <IndividualID>PAX11</IndividualID>
          <Birthdate>2018-01-11</Birthdate>
          <GivenName>Dede</GivenName>
          <Surname>Dessee</Surname>
        </Individual>
      </Pax>
    </PaxList>
    <ServiceDefinitionList>
      <ServiceDefinition>
        <ServiceDefinitionID>SRV1</ServiceDefinitionID>
        <Name>ONE KILOGRAM BAGGAGE</Name>
      </ServiceDefinition>
    </ServiceDefinitionList>
  </DataLists>
</CreateOrder>

```

```

        <Description>
            <DescID>1</DescID>
            <DescText>ONE KILOGRAM BAGGAGE</DescText>
        </Description>
        <BookingInstructions>
            <Text>TTL$20KG</Text>
        </BookingInstructions>
    </ServiceDefinition>
</ServiceDefinitionList>
</DataLists>
<PaymentInfo>
    <Amount CurCode="INR">${OrderCreateProperty#PaymentInfo}</Amount>
    <TypeCode>CC</TypeCode>
    <PaymentMethod>
        <PaymentCard>
            <CardNumber>4147XXXXXXXXXX006</CardNumber>
            <SeriesCode>XXX</SeriesCode>
            <CreditCardVendorCode>VI</CreditCardVendorCode>
            <ExpirationDate>1020</ExpirationDate>
        </PaymentCard>
    </PaymentMethod>
</PaymentInfo>
</Request>
</OrderCreateRQ>

```

Table 4 OrderCreateRQ

Glossary

ACS - Access Control Server

CC - Credit Card

CAVV - Cardholder Authentication Verification Value

FF - Frequent Flyer

FOP - Form Of Payment

FOID - Form Of Identification

FQTV - Frequent flyer code for accruing miles

MCO - Miscellaneous Charge Order

PNR - Passenger Name Record

PTC - Passenger Type Code

PAREQ - Payer authentication request

TST - Transitional Stored Ticket

RFIC - Reason For Issuance Code

RFISC - Reason for Issuance Sub-Code

SSR - Special Service Request

SVC - Manual Auxiliary Segment

TSM - Transitional Stored MCO

Legal disclaimer

This document, including all information contained herein and any attached or related documents, is strictly confidential and proprietary information of Amadeus and its respective affiliates, subsidiaries, members, vendors and/or suppliers (the “Confidential Information”) and is being shared with you for the sole and exclusive purpose of providing a functional solution overview between the airline and NDC consumer as part of Amadeus Altéa NDC. This document is intended solely for information purposes. If you are not the intended recipient you are notified that disclosing, copying or distributing the contents of this document or information is strictly prohibited. Any Amadeus intellectual property or other information contained in this document or relating to the solutions, any products or services described herein shall remain the sole and exclusive property of Amadeus or its licensees, as applicable. Nothing herein shall constitute a license, transfer or other grant of any rights in or to the information or intellectual property contained or referenced herein. Any solutions, products, services or company names that may be referred to in this presentation that are trademarks are herewith acknowledged. Any disputes in connection with the breach of the above provisions shall be governed by and construed in accordance with English law and is submitted to the exclusive jurisdiction of the courts of London. Any content within this document is subject to an agreement being entered into between the parties and will not be considered as binding until agreed and formalised by the parties under a definitive agreement.

