

OrderCreate V2

Interface Specification

Last updated: 02 Oct 2017

|  |
| --- |
| **Revision History** |
| **Name** | **Version** | **Reason for Change** | **Status** | **Date** |
| BA | 0.1 | OrderCreate – Interface Specification | Draft | 30-Aug-16 |
| BA | 0.2 | Updated OrderViewRS to include payment time limit for held seatsUpdated OrderViewRS to include fare rulesUpdated OrderCreateRQ to include OnBusiness Number | Updated | 13-Dec-16 |
| BA | 0.3 | Updated Price Class changes | Updated | 04-Jan-17 |
| BA | 0.4 | Updated Leisure Fare changes | Updated | 06-Feb-17 |
| BA | 0.5 | Updated Multicity changes | Updated | 05-Apr-17 |
| BA | 0.6 | Updated changes related to fare products | Updated | 02-Oct-17 |

**Table of Contents**

[1 Introduction 3](#_Toc469310215)

[1.1 Support Details 3](#_Toc469310216)

[1.1.1 Commercial Support 3](#_Toc469310217)

[1.1.2 Technical Support 3](#_Toc469310218)

[2 Generic Message Elements 4](#_Toc469310219)

[2.1 Agency and Service Provider data 4](#_Toc469310220)

[2.1.1 Example Agency and Service Provider data 9](#_Toc469310221)

[2.2 Common Schemas 11](#_Toc469310222)

[3 OrderCreate Webservice 12](#_Toc469310223)

[3.1 Interface Design 12](#_Toc469310224)

[3.2 Schemas 13](#_Toc469310225)

[3.3 Request and Response Definitions 13](#_Toc469310226)

[3.3.1 Request 13](#_Toc469310227)

[3.3.2 Response 32](#_Toc469310228)

[3.4 URLs to access this web service 49](#_Toc469310229)

[3.4.1 Live URL 49](#_Toc469310230)

[3.4.2 Test URL 49](#_Toc469310231)

[3.4.3 Mandatory headers 49](#_Toc469310232)

[3.5 Sample SOAP NDC Request to access this web service 50](#_Toc469310233)

[3.6 Sample SOAP NDC Response 50](#_Toc469310234)

[3.7 Sample SOAP NDC Response with errors 51](#_Toc469310235)

[3.8 Sample SOAP Response with errors 51](#_Toc469310236)

[4 Frequently Asked Questions 52](#_Toc469310237)

[4.1 FAQs 52](#_Toc469310238)

[5 Usability Guide 52](#_Toc469310239)

[5.1 Usage advice 52](#_Toc469310240)

[6 Appendix 1 –Web Services error responses 55](#_Toc469310241)

[6.1 OrderCreate error/ineligibility checks 55](#_Toc469310242)

[7 Appendix 2 – Languages supported by BA 55](#_Toc469310243)

[8 Appendix 3 – Test card numbers 56](#_Toc469310244)

#  Introduction

The OrderCreate Webservice provides IATA Accredited Travel Agents, new retailers and Service Providers the ability to book for flights and seats as per IATA NDC schema standards.

OrderCreate – this service can be invoked in 2 contexts

**Context 1 – Instant purchase:** Ability for clients to pay and confirm in the same transaction. The service accepts payment (card or cash aka BSP settlement), creates a booking and issues eTickets. The service can also be used to purchase seats along with flights and issues EMD once the seat purchase is successful. Both booking and document (ETicket and EMD) details are returned in the OrderViewRS along with the booking reference (PNR)

**Context 2 – Hold booking:** Ability for clients to create a booking without making a payment. The service checks if the client is eligible to create a hold booking and if eligible it creates a booking. Along with flights client can also reserve seats (paid or frees seats) without paying for it. The service returns booking details in the OrderViewRS along with the booking reference (PNR). The service also returns Payment Time Limit (Ticket Time Limit). Client must pay for the booking using AirDocIssue Webservice before the time limit expires otherwise booking will automatically be cancelled

## Support Details

### Commercial Support

For any assistance that you require with any commercial queries please contact:

 Selling.distribution@ba.com

### Technical Support

For any assistance with integration issues or general queries, please refer to the blog section available on <http://developer.ba.com>. This section is monitored daily by our technical team and should be the first point of contact for any integration queries.

For any assistance with suspected technical faults or issues please follow the process detailed below:

**System unavailable** – please telephone the British Airways IT Service Centre:

 +44 (0) 20 8562 4000

**System available, non-critical faults -** please send an email to:

**itsc.itsc@ba.com**

**Please have the following information available when calling or emailing the service centre:**

**If emailing, the email subject should be:**

* “ Company name – NDC Web Service issue”

**The call or email should include the following:**

* Your name and Company
* Your contact Telephone Number (including full dialling code)
* Full Location including country, town, building
* System / Technology / Hardware involved
* Number of users affected

**Short summary of the problem:**

* Error / System Message: Please put in specific error message received.
* Details of actions leading to problem / question (commands issued, buttons clicked etc)
* Example SOAP of request being sent (including username and password to connect to service.
* Example of any response received from the service.

Attachments of screenshots displaying the error would also be useful.

# Generic Message Elements

## Agency and Service Provider data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Field Type** | **Data Type** | **Schema Definition****(http://www.ba.com/schema/)** | **Optional/Mandatory** | **Comments** |
| Party |  |  | **M** |  |
| Sender |  |  | **M** | Message sender information |
| TravelAgencySender |  |  | M | Specify the travel agency detailsPopulate TravelAgencySender section only if the request is originated by the Travel Agent |
| Name |  | Party/Sender/TravelAgencySender/Name | O | Travel agency name**Example:** ABC**Note:** This is an optional element in NDC schema. BA will neither use nor validate this element even if it was passed |
| Contacts |  |  | O | This is an optional element in NDC schema but for calling BA service this must be passed with requesting agent’s email address only if the requesting agent is an IATA agent**Note:** Agent contact will only be used in OrderCreate service. Therefore it is up to the client to pass agent email address in AirShopping, FlightPrice and SeatAvailability services |
| Contact |  |  | M |  |
| EmailContact |  |  | O | This is an optional element in NDC schema but for calling BA service (OrderCreate) this must be passed, if the requesting agent is an IATA agent. This is important as the eTicket confirmation email will only be sent to this email address for IATA agent’s bookingsFor non-IATA agents, this element need not be passed as the eTicket confirmation email will only be sent to the customer’s email address. However, BA will record this email address to the booking if provided for non-IATA agents |
| Address |  | Party/Sender/TravelAgencySender/Contacts/Contact/EmailContact/Address | M | Travel agency’s email address**Example:** **abc@tc.com**This is the requesting agent’s email address |
| OtherIDs |  |  | O | Specify Non-IATA agent details**Note:** This is an optional element in NDC schema but for calling BA services this must be passed if the requesting agent is a non- IATA agent |
| OtherID |  | Party/Sender/TravelAgencySender/OtherIDs/OtherID | M | Non-IATA agent code**Example:** 01010101 |
| IATA\_Number |  | Party/Sender/TravelAgencySender/IATA\_Number | O | Travel agent’s IATA number **Example:** 12345678**Note:** This is an optional element in NDC schema but for calling BA services this must be passed if the requesting agent is an IATA agent |
| AgencyID |  | Party/Sender/TravelAgencySender/AgencyID | M | Travel agency name**Example:** ABC**Note:** This is a mandatory element in NDC schema but BA will neither use nor validate this element. Suggestion is to pass travel agency name  |
| CorporateSender |  |  |  | Specify corporate detailsPopulate CorporateSender section only if the request is originated by the Corporate |
| Contacts |  |  | O | This is an optional element in NDC schema. Populate this section with the requesting corporate’s email address only if the corporate is directly creating a booking with BA via NDC ServicesDo not populate this section if Travel Management Company (TMC) is creating a booking on behalf of the corporate**Note:** Corporate contact will only be used in OrderCreate service. Therefore it is up to the client to pass corporate email address in AirShopping, FlightPrice and SeatAvailability services |
| Contact |  |  | M |  |
| EmailContact |  |  | O | This is an optional element in NDC schema but for calling BA service (OrderCreate) this must be passed, if the corporate is directly creating a booking with BA via NDC Services and the corporate has an IATA number. This is important as the eTicket confirmation email will only be sent to this email address for IATA agent’s bookingsFor corporates that have non-IATA number, this element need not be passed as the eTicket confirmation email will only be sent to the customer’s email address. However, BA will record this email address to the booking if provided for non-IATA corporates |
| Address |  | Party/Sender/CorporateSender/Contacts/Contacts/EmailContact/Address | M | Corporate’s email address**Example:** **abc@tc.com**This is the requesting corporate’s email address |
| ID |  | Party/Sender/CorporateSender/ID | M | Corporate’s JBID**Example:** IN3642FRUnique ID provided by BA |
| IATA\_Number |  | Party/Sender/CorporateSender/IATA\_Number | O | Corporate’s IATA or non-IATA number **Example:** 12345678Do not populate this section if Travel Management Company (TMC) is creating a booking on behalf of the corporate**Note:** This is an optional element in NDC schema. Populate this element with the requesting corporate’s IATA or non-IATA number only if the corporate is directly creating booking with BA via NDC Services |
| Participants |  |  | O | Specify Service Provider details**Note:** This is an optional element in NDC schema but if the calling client is a Service Provider then Participants details must be populated. If the calling client is not a Service Provider then Participants details should not be populated. |
| Participant |  |  | M |  |
| TravelAgencyParticipant |  |  | O | Populate this section only if the participant is a Travel Management Company (TMC) and is creating a booking for the corporate customer i.e request is originated by the corporate |
| SequenceNumber (Attribute) |  | Party/Participants/Participant/TravelAgencyParticipant/SequenceNumber (Attribute) | M | Unique numberExample: 2**Note:** It is recommended that each participant to increment the sequence number by 1.**Example:** If participant 1 gives sequence number as “2” participant 2 is advised to give sequence number as “3” |
| Contacts |  |  | O | This is an optional element in NDC schema. Populate this section with the requesting agent’s (TMC’s) email address only if the requesting agent is an IATA agent**Note:** Agent contact will only be used in OrderCreate service. Therefore it is up to the client to pass agent email address in AirShopping, FlightPrice and SeatAvailability services |
| Contact |  |  | M |  |
| EmailContact |  |  | O | This is an optional element in NDC schema but for calling BA service (OrderCreate) this must be passed, if the requesting agent (TMC) is an IATA agent. This is important as the eTicket confirmation email will only be sent to this email address for IATA agent’s bookingsFor non-IATA agents, this element need not be passed as the eTicket confirmation email will only be sent to the customer’s email address. However, BA will record this email address to the booking if provided for non-IATA agents (TMCs) |
| Address |  | Party/Participants/Participant/TravelAgencyParticipant/Contacts/Contact/ EmailContact/Address | M | Travel agency’s(TMC’s) email address**Example:** **abc@tc.com**This is the requesting agent’s email address |
| OtherIDs |  |  | O | Specify Non-IATA agent details**Note:** This is an optional element in NDC schema but for calling BA services this must be passed if the requesting agent (TMC) is a non- IATA agent |
| OtherID |  | Party/Participants/Participant/TravelAgencyParticipant/OtherIDs/OtherID | M | TMC’s Non-IATA agent code**Example:** 01010101 |
| IATA\_Number |  | Party/Participants/Participant/TravelAgencyParticipant/IATA\_Number | O | Travel agent’s (TMC’s) IATA number **Example:** 12345678**Note:** This is an optional element in NDC schema but for calling BA services this must be passed if the requesting agent (TMC) is an IATA agent |
| AgencyID |  | Party/Participants/Participant/TravelAgencyParticipant/AgencyID | M | Travel agency name**Example:** ABC**Note:** This is a mandatory element in NDC schema but BA will neither use nor validate this element. Suggestion is to pass travel agency name |
| AggregatorParticipant |  |  | O | Populate this section only if the calling client is a Service Provider |
| SequenceNumber (Attribute) |  | Party/Participants/Participant/AggregatorParticipant/ SequenceNumber (Attribute) | M | Unique numberExample: 2**Note:** It is recommended that each participant to increment the sequence number by 1.**Example:** If participant 1 gives sequence number as “2” participant 2 is advised to give sequence number as “3” |
| Name |  | Party/Participants/Participant/AggregatorParticipant/Name | O | Service Provider name**Example:** XYZ**Note:** This is an optional element in NDC schema. BA will neither use nor validate this element even if it was passed |
| AggregatorID |  | Party/Participants/Participant/AggregatorParticipant/AggregatorID | M | Service Provider ID provided by BA**Example:** 00123456All BA NDC services will validate this ID and allow only if the AggregatorID provided is valid |

### Example Agency and Service Provider data

**Travel Agent (IATA) accessing BA NDC Services via Service Provider**

<Party>

 <Sender>

 <TravelAgencySender>

 <Name>ABC</Name>

 <Contacts>

 <Contact>

 <EmailContact>

 <Address>agentemailaddress@abc.com</Address>

 </EmailContact>

 </Contact>

 </Contacts>

 <IATA\_Number>35209893</IATA\_Number>

 <AgencyID>ABC</AgencyID>

 </TravelAgencySender>

 </Sender>

 <Participants>

 <Participant>

 <AggregatorParticipant SequenceNumber="123">

 <Name>Travelco</Name>

 < AggregatorID > 00123456</AggregatorID >

 </AggregatorParticipant>

 </Participant>

 </Participants>

 </Party>

**Travel Agent (Non-IATA) accessing BA NDC Services via Service Provider**

<Party>

 <Sender>

 <TravelAgencySender>

 <Name>ABC</Name>

 <Contacts>

 <Contact>

 <EmailContact>

 <Address>agentemailaddress@abc.com</Address>

 </EmailContact>

 </Contact>

 </Contacts>

 <OtherIDs>

 <OtherID>0000007</OtherID>

 </OtherIDs>

 <AgencyID>ABC</AgencyID>

 </TravelAgencySender>

 </Sender>

 <Participants>

 <Participant>

 <AggregatorParticipant SequenceNumber="123">

 <Name>Travelco</Name>

 < AggregatorID > Travelco </AggregatorID >

 </AggregatorParticipant>

 </Participant>

 </Participants>

 </Party>

**Travel Management Company (TMC) accessing BA NDC Services for Corporates**

<Party>

 <Sender>

 <CorporateSender>

 <ID>IN3401FR</ID>

 </CorporateSender>

 </Sender>

 <Participants>

 <!--Participant 1 - TMC-->

 <Participant>

 <TravelAgencyParticipant SequenceNumber="1">

 <Contacts>

 <Contact>

 <EmailContact>

 <Address>ndcagent@abc.com</Address>

 </EmailContact>

 </Contact>

 </Contacts>

 <IATA\_Number>91266162</IATA\_Number>

 <AgencyID>ABCD</AgencyID>

 </TravelAgencyParticipant>

 </Participant>

 </Participants>

</Party>

**Travel Management Company (TMC) accessing BA NDC Services for Corporates via Service Provider**

<Party>

 <Sender>

 <CorporateSender>

 <ID>IN3401FR</ID>

 </CorporateSender>

 </Sender>

 <Participants>

 <!--Participant 1 - TMC-->

 <Participant>

 <TravelAgencyParticipant SequenceNumber="1">

 <Contacts>

 <Contact>

 <EmailContact>

 <Address>ndcagent@abc.com</Address>

 </EmailContact>

 </Contact>

 </Contacts>

 <IATA\_Number>91266162</IATA\_Number>

 <AgencyID>AMEX</AgencyID>

 </TravelAgencyParticipant>

 </Participant>

 <!--Participant 2 - Service Provider-->

 <Participant>

 <AggregatorParticipant SequenceNumber="2">

 <AggregatorID>00000780</AggregatorID>

 </AggregatorParticipant>

 </Participant>

 </Participants>

</Party>

**Corporate accessing BA NDC Services directly**

<Party>

 <Sender>

 <CorporateSender>

 <Contacts>

 <Contact>

 <EmailContact>

 <Address>ndcagent@abc.com</Address>

 </EmailContact>

 </Contact>

 </Contacts>

 <ID>IN3401FR</ID>

 <! — IATA or non-IATA number should be requested in the same field-->

 <IATA\_Number>12345678</IATA\_Number>

 </CorporateSender>

 </Sender>

</Party>

## Common Schemas

The attached schemas are common for AirShopping, FlightPrice, SeatAvailability and OrderCreate

 

# OrderCreate Webservice

This service creates an Order (PNR) with or without issuing the documents (ETickets/EMD) based on the context it is being called. The service can be used in the following contexts

**Context 1 – Instant purchase:** Ability for clients to pay and confirm in the same transaction. This service accepts payment, creates booking for the requested itinerary for all passengers and returns the booking reference (PNR). The service returns booking reference only after successful issuance of eTickets for all passengers in the booking. The service can also be used to purchase seats along with flights and issues EMD once the seat purchase is successful. The service allows seat purchase only when all passengers in the booking purchase seats. Both booking and document (ETicket and EMD) details are returned in the OrderViewRS along with the booking reference (PNR).

**Context 2 – Hold booking:** Ability for clients to create a booking without making a payment. The service checks if the client is eligible to create a hold booking and if eligible it creates a booking. Along with flights client can also reserve seats (paid or frees seats) without paying for it. The service returns booking details in the OrderViewRS along with the booking reference (PNR). The service also returns Payment Time Limit (Ticket Time Limit). Client must pay for the booking via AirDocIssue Webservice before the time limit expires otherwise the booking will automatically be cancelled.

## Interface Design

This web service is called with the following inputs:

* List of flight segments and for each flight segment the departure airport, arrival airport, carrier code, flight number and booking class (selling class)
* Leisure Fare Type
* Seat details
* List of passengers and for each passenger

Name details (surname, first name etc) and frequent flyer details (if available)

Email address

Phone details

Address details

* Payment details (Card or Cash)

The output data this service returns includes:

Booking reference (PNR)

Passenger details

Flight details

Seat details

Payment Time Limit (Ticket Time Limit), if applicable

A link to ba.com manage my booking

Total order price

Total price charged from each forms of payments (Card or Cash) where applicable

eTicket details with passenger association

Electronic Miscellaneous Document (EMD) details with passenger association

Payment options – returned (as Error) only when the payment card passed in the OrderCreateRQ is not applicable so payment option is returned with the list of applicable payment cards based on the customer’s billing country and agent’s location (point of sale). Payment options return the following

List of applicable payment cards with surcharge, if applicable

Mandatory and optional card details that should be provided when making a payment

Mandatory and optional billing address details that should be passed when making a payment

Fare rules for the itinerary

**Limitations:**

The service supports the creation of public or private fare bookings, for parties of up to 9 passengers

Multiple forms of payment are not supported

The service can accept upto 6 Origin Destinations.

The following are examples of types of bookings that are not supported by the service (but this list is not exhaustive)

All types of redemption bookings

All group bookings

Unaccompanied minors

Booking with only young adult passengers

## Schemas

The service adheres to the IATA NDC OrderCreateRQ and OrderViewRS schema version 16.1 with some modifications

**Schemas**

Main schemas used in the web service. Also, please refer Section 2.2 for common schemas

 

## Request and Response Definitions

### Request

|  |
| --- |
| **Service Input Parameters** |
| **Input Parameters** | **Type** | **Schema Definition****(http://www.ba.com****/schema/)** | **Optional/Mandatory** | **Comments** |
| Request object | OrderCreateRQ | OrderCreateRQ.xsd | M |  |
| **OrderCreateRQ Data Fields** |
| **Field Type** | **Data Type** | **Schema Definition****(http://www.ba.com/schema/)** | **Optional/Mandatory** | **Comments** |
| **Agency and Service Provider data See section 2.1** |  |  |  |  |
| Version (Attribute) |  | OrderCreateRQ/Version (Attribute) | M | Specify NDC schema message version. Always pass 16.1**Note:** This is a mandatory attribute in NDC schema. The service will not validate what is being passed in this attribute |
| PrimaryLangID (Attribute) |  | OrderCreateRQ/PrimaryLangID (Attribute) | O | Specifies the agent’s preferred language. Service response will be returned in this language**Note:** If the requested language is not supported by BA or if this is not passed in the request then the default language will be used, which is English**Example:** EN |
| AltLangID (Attribute) |  | OrderCreateRQ/AltLangID (Attribute) | O | Specifies the preferred language in which the mail to be sent. eTicket receipt email and any other communication emails from BA will be sent in this language**Note:** If the requested language is not supported by BA or if this is not passed in the request then the default language will be used, which is English |
| Query |  |  | M |  |
| Passengers |  |  | M |  |
| Passenger |  |  | O | Specify passenger details |
| ObjectKey (Attribute) |  | OrderCreateRQ/Query/Passengers/Passenger/ ObjectKey (Attribute) | O | Unique passenger ID used to associate other elements to this passenger at booking creation time. **Example:** T1**Note:** This is an optional attribute in NDC schema but for calling BA service this must be passed |
| PTC |  | OrderCreateRQ/Query/Passengers/Passenger/PTC | O | Specify Passenger TypeValues are: ADT,CHD,INFWhereADT = AdultCHD = ChildINF = Infant**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| PassengerAssociation |  | OrderCreateRQ/Query/Passengers/Passenger/ PassengerAssociation | O | This element is used to associate an infant (not requiring a seat) to an adult. Specify the infant passenger’s ObjectKey**Example:** T2Where T2 is infant passenger’s ObjectKey**Note:** Though this is an optional element in NDC schema it must be passed if the request includes INF passenger, as the service needs to know which infant is associated with which adult |
| Age |  |  | O | **Note:** Though this is an optional element in NDC schema, it must always be provided for infant passenger. It must also be provided for all passengers for an APIS routeEven if it’s not an APIS route, it is recommended to provide passenger’s age, as it will be used to identify if the passenger is a young adult.**Note:** UK Air Passenger Duty (APD) is not applicable to “young adults” aged 12 to 15 years inclusive for travel after 1 March 2016 |
| BirthDate |  | OrderCreateRQ/Query/Passengers/Passenger/Age/BirthDate | M | Date of birth of the passenger**Example:** 2012-01-27 |
| Name |  |  | M | Passenger name details |
| Surname |  | OrderCreateRQ/Query/Passengers/Passenger/Name/Surname | M | Passenger’s surname or family (last) name |
| Given |  | OrderCreateRQ/Query/Passengers/Passenger/Name/Given | O | Passenger’s given name or first name |
| Title |  | OrderCreateRQ/Query/Passengers/Passenger/Name/Title | O | Passenger’s title**Example:** Mr |
| Middle |  | OrderCreateRQ/Query/Passengers/Passenger/Name/Middle | O | Passenger’s middle name or initial**Example:** G |
| Contacts |  |  | O | Passenger contact details |
| Contact |  |  | M |  |
| AddressContact |  |  | O | Passengers address details**Note:** This is optional in NDC schema but for calling BA service minimum one address contact must be provided for special cash payment. It is recommended that a client passes address details only for one adult passenger. If address details are passed for each passenger then the service will take the first adult’s address and adds it into the PNRFor payment card transaction, AddressContact need not be provided, as the service automatically takes the billing address information and adds it into the PNR |
| Street |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/AddressContact/Street | O | Maximum 2 street lines can be specified**Example:** <Street>1234 Main Street</Street><Street>Pontes Avenue</Street> |
| PO\_Box |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/AddressContact/PO\_Box | O | Post office box**Example:** 21 |
| CityName |  |  | O |  |
| CityCode |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/AddressContact/CityName/CityCode | O | 3 letter city code**Example:** LON |
| StateProv |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/AddressContact/StateProv | O | State or province code**Examples:** NY |
| PostalCode |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/AddressContact/PostalCode | O | **Example:** SW3 1XH |
| CountryCode |  |  | O | 2 letter country code**Example:** GB |
| EmailContact |  |  | O | Email address of the passenger**Note:** This is an optional element in NDC schema but for calling BA service this must be passedThe service always uses the first passenger’s email address |
| Address |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/EmailContact/Address | M | **Example:** abc@cbd.com |
| PhoneContact |  |  | O | Passenger’s phone details**Note:** This is optional in NDC schema but for calling BA service minimum one phone number must be provided |
| Application |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/PhoneContact/Application | O | Possible values areBillingBusinessHomeMobile**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| Number |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/PhoneContact/Number | O | Phone number**Example:** 71234578**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| CountryCode (Attribute) |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/PhoneContact/Number/CountryCode(Attribute) | O | Specify the country code**Examples:**+44+992+1-868**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| AreaCode (Attribute) |  | OrderCreateRQ/Query/Passengers/Passenger/Contacts/Contact/PhoneContact/Number/AreaCode(Attribute) | O | Specify area code**Example:** 44 |
| FQTVs |  |  | O | Specify passenger’s frequent flyer information |
| FQTV\_ProgramDetail |  | OrderCreateRQ /Query/Passengers/Passenger/FQTVs/ FQTV\_ProgramDetail | O | AVIOS, OnBusiness and BusinessExtra numbers are accepted in this section.**Note:**A booking can have only one AVIOS number per passenger.A booking can have more than one Business Extra numbers.A booking can have only one On Business number.OnBusiness is only added for tracking, it does not affect the booking prices or anything else |
| FQTV\_ProgramID |  | OrderCreateRQ/Query/Passengers/Passenger/FQTVs/ FQTV\_ProgramDetail/ FQTV\_ProgramID | M | Program ID. **Example:** AVIOS or On Business or Business Extra |
| Account |  |  | O |  |
| Number |  | OrderCreateRQ /Query/Passengers/Passenger/FQTVs/ FQTV\_ProgramDetail/Account/Number | M | FQTV number is passed here**Example:** 35555666 |
| TravelerFQTV\_Information |  |  | O | Airline loyalty information |
| AirlineID |  | OrderCreateRQ/Query/Passengers/Passenger/FQTVs/TravellerFQTV\_Information/AirlineID | M | Frequent flyer airline code**Example:** BA |
| Account |  |  | O | This must be provided if TravelerFQTV\_Information is present |
| Number |  | OrderCreateRQ/Query/Passengers/Passenger/FQTVs/TravellerFQTV\_Information/Account/Number | M | Frequent flyer number**Example:** 12345678 |
| Gender |  | OrderCreateRQ/Query/Passengers/Passenger/Gender | O | Possible values areMaleFemale**Note:** Though this is an optional element in NDC schema, it must always be provided for infant passenger. It must also be provided for all passengers for an APIS route |
| AdditionalRoles |  |  | O | Specify this element only if this passenger is the payer of the booking. Do not pass this element otherwise |
| PaymentContactInd (Attribute) |  | OrderCreateRQ/Query/Passengers/Passenger/AdditionalRoles/PaymentContactInd (Attribute) | O | Set this attribute to “True” only if this passenger is the payer of the booking. Do not set this attribute otherwise |
| OrderItems |  |  | M |  |
| ShoppingResponse |  |  | M | This is mandatory in NDC but BA will not use or validate the details provided in ShoppingResponse |
| Owner |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/Owner | M | Always pass “BA” |
| ResponseID |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/ResponseID | M | Pass date time stamp**Example:** 11022015T12:21:21 |
| Offers |  |  | M |  |
| Offer |  |  | M | Provide only one offer |
| OfferID |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/Offers/Offer/OfferID | M | Pass a unique offer id. **Example:** OFFER1 |
| Owner (Attribute) |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/Offers/Offer/OfferID/Owner (Attribute) | M | Always pass “BA” |
| OfferItems |  |  | M |  |
| OfferItem |  |  | M | Provide only one OfferItem |
| OfferItemID |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/Offers/Offer/ OfferItems/OfferItem/ OfferItemID | M | Pass an unique number**Example:** 1 |
| Owner (Attribute) |  | OrderCreateRQ/Query/ OrderItems/ShoppingResponse/Offers/Offer/ OfferItems/OfferItem/ OfferItemID/Owner (Attribute) | M | Always pass “BA” |
| OfferItem |  |  | O | This should be repeated per pax type for flight items. If you have 2ADT, 2CHD and 2 INF then OfferItem must be specified thrice one each for ADT,CHD and INF for flight items**Note:** For young adult passengers separate OfferItem should be specified for flight itemsSimilarly, OfferItem must be repeated for each seat item being purchased. If you have 2 ADT, 2 CHD and 2 INF and all are buying seats then OfferItem must be specified 6 times one each for each passenger and seat**Note:** This is optional in NDC schema but for calling BA service this must be passed. This is where the flight and price details should be specified  |
| OfferItemID |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemID | M | Pass an unique number for each OfferItem**Example:** 1 |
| Owner (Attribute) |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemID/Owner (Attribute) | M | Always pass “BA” |
| OfferItemType |  |  | M |  |
| DetailedFlightItem |  |  | M | Flight offer item |
| refs (Attribute) |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/refs (Attribute) | O | Reference to passengers to whom the flight item is specified. The passenger reference should be same as what was defined in OrderCreateRQ/Query/Passengers/Passenger/ ObjectKey (Attribute)If this flight item is applicable for 2 passengers then refs should be T1 and T2 separated by a space**Example:** T1 T2**Note:** This is an optional attribute in NDC schema but for calling BA service this must be passed |
| Price |  |  | M | Flight pricing details (fare and tax) for one passenger of the pax typeThis must be same as what was returned in the FlightPrice response. The total fare and total tax are compared against the total fare and total tax returned during booking process and if the price doesn’t match an error is returned |
| BaseAmount |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/Pricing/BaseAmount | M | This is the total fare for one passenger of the passenger type. This must be same as what was returned in the FlightPrice response**Example:** 26300 |
| Code (Attribute) |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/Pricing/BaseAmount/Code (Attribute) | O | **Example:** GBP**Note:** This is an optional attribute in NDC schema but for calling BA service this must be passed |
| Taxes |  |  | O |  |
| Total |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/Pricing/Taxes/Total | O | This is the total tax for one passenger of the passenger type. This must be same as what was returned in the FlightPrice response**Note:** This is an optional element in NDC schema but for calling BA service this must be passed**Example:** 37335 |
| Code (Attribute) |  | OrderCreateRQ/Query/ OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/Pricing/Taxes/Total/Code(Attribute) | O | **Example:** GBP**Note:** This is an optional attribute in NDC schema but for calling BA service this must be passed |
| OriginDestination |  |  | M | Origin and destination (O&D) details. This must be repeated for each O&D. If the request is for EDI-AMS return then this must be repeated twice once for EDI-AMS and once for AMS-EDI.Can accept upto 6 Origin Destination pairs |
| Flight |  |  | M | List of flights within an O&D. If the request is for EDI-AMS return with each O&D containing 2 flights (EDILHR and LHRAMS; AMSLHR and LHREDI) then for each O&D Flight should be repeated twice once for EDILHR and once for LHRAMS |
| SegmentKey |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/SegmentKey | O | Unique flight segment key**Example:** F1This key will be used to associate seat item to a flight.Specify this key only for the first DetailedFlightItem, as the flight items are same for all passengers**Note:** Though this is an optional element in NDC schema, it must be passed if the request includes SeatItems (i.e customer wants to buy flights and seats) |
| Departure |  |  | M | Departure information |
| AirportCode |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/Departure/AirportCode | M | Departure airport IATA code**Example:** LHR |
| Date |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination /Flight/Departure/Date | M | Local Departure date i.e. local to the departure location**Example:** 2015-08-13 |
| Time |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination /Flight/Departure/Time | O | Local Departure time i.e. local to the departure location |
| Arrival |  |  | M | Arrival information |
| AirportCode |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/Arrival/AirportCode | M | Arrival airport IATA code**Example:** AMS |
| Date |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/Arrival/Date | O | Local Arrival date i.e. local to the arrival location**Example:** 2015-08-19 |
| Time |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/ OriginDestination/Flight/Arrival/Time | O | Local Arrival time i.e. local to the arrival location |
| MarketingCarrier |  |  | M |  |
| AirlineID |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/MarketingCarrier/AirlineID | M | Marketing carrier code**Example:** BA |
| FlightNumber |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/MarketingCarrier/FlightNumber | M | Marketing flight number**Example:** 1403 |
| CabinType |  |  | O | This must be passed only when the PriceClass returned for this flight from FlightPriceRS was Handbaggageonly or Basic**Note:** Cabin Type need not be provided in the request to quote “Basic” product if fare basis code for each flight segment is provided. However, the service still works if CabinType is passedin the request |
| Code |  | OrderCreateRQ/Query/OrderItems/OfferItem/ OfferItemType/DetailedFlightItem/OriginDestination/Flight/CabinType/Code | M | Always pass “HBO” Take this Code from FlightPriceRS/DataLists/PriceClassList/PriceClass/Code |
| ClassOfService |  |  | O | Selling or booking class details**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| refs |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/DetailedFlightItem/OriginDestination/Flight/ClassOfService/refs (Attribute) | O | Reference to a fare basis code for the passenger type applicable for this OfferItem**Examples:** FBCODE1ADTFBCODE1CHDFBCODE1INF**Notes:** 1. The service expects client to provide fare basis code in OrderCreateRQ in order to quote correct fare product
2. It is recommended that the same reference returned in FlightPriceRS is provided in OrderCreateRQ
3. More than one fare basis code should be separated by a space
 |
| Code |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/DetailedFlightItem/OriginDestination/Flight/ClassOfService/Code | M | Selling class or Booking class code**Example:** Q |
| MarketingName |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/DetailedFlightItem/OriginDestination/Flight/ClassOfService/MarketingName | O | The cabin this selling class belongs to**Example:** Euro Traveller |
| SeatItem |  |  | O | This list should be repeated for each passenger and for each flight they purchase the seat for. The details specified in this section must have been taken from SeatAvailabilityRS Example: If the request is for 2 ADT and 2 flights (LHRAMS and AMSLHR) and both passengers are buying seats in both flights then SeatItem must be repeated 4 times |
| Price |  |  | O | Seat price**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| Total |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/Price/Total | M | Example: 15.00 |
| Code (Attribute) |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/Price/Total/Code (Attribute) | O | Currency code**Example:** GBP |
| Descriptions |  |  |  |  |
| Description |  |  |  |  |
| Text |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/Descriptions/Description/Text |  | The seat category this seat belongs to**Example:** GeneralSideSeat**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| Location |  |  | O | Seat location details**Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| Column |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/Location/ Column | O | Seat column**Example:** B |
| Row |  |  | O | Seat row |
| Number |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/Location/Row/Number | O | Row number**Example:** 39 |
| SeatAssociation |  |  | O | **Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| SegmentReferences |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/SeatAssociation/SegmentReferences | M | Reference to a flight on which the seat reservation is requested**Example:** F1 |
| TravelerReference |  | OrderCreateRQ/Query/OrderItems/OfferItem/OfferItemType/SeatItem/SeatAssociation/TravelerReference | M | Reference to a passenger for whom the seat reservation is requested**Example:** T1 |
| Payments |  |  | O | Specify payment information**Note:** If this element is not present the service treats this as a hold booking request |
| Payment |  |  | M | BA accepts one card form of payment per booking |
| Method |  |  | M | Specify the payment method |
| PaymentCard |  |  | O | Payment card details. Specify all mandatory information as returned by FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable)**Note:** Though this is optional element in NDC schema, it must be provided if card is used as the form of payment |
| CardType |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardType | O | **Example:** Credit**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| CardCode |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardCode | O | **Example:** VI**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| CardNumber |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardNumber | O | **Example:** 41111111111111111**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| IssueNumber |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/IssueNumber | O | **Example:** 02**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| SeriesCode |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/SeriesCode | O | This is the verification digits printed on the card following the embossed number. This may also accommodate the customer identification/batch number (CID), card verification value (CVV2), card validation code number (CVC2) on credit card.**Example:** 123**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| CardHolderName |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderName | O | Card holders name**Example:** Mr Test SmithCard holder’s name should be specified only when the payer is not a passenger. If the payer is one of the passengers then it is enough to specify the passenger’s reference as an attribute (refs, please see the next element)**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| refs (Attribute) |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderName/refs (Attribute) | O | Reference to a passenger who is paying for the booking. The passenger reference should be same as what was defined in OrderCreateRQ/Query/Passengers/Passenger/ ObjectKey (Attribute)**Example:** T1**Note:** This is an optional attribute in NDC schema if the payer is one of the passenger this attribute must be passed for calling BA services |
| CardIssuerName |  |  | O | **Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| BanKID |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardIssuerName/BanKID | M | **Example:** HSBC |
| CardHolderBillingAddress |  |  | O | Specifies the payment card address or Billing address**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| Street |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/ CardHolderBillingAddress/Street | O | This is a list and can be repeated twice to specify 2 Streets**Example:** < Street1>1234 Main Street</Address><Street2>Pontes Avenue</Address>Please note that FlightPriceRS or OrderViewRS returns AddressLine rather than Street. AddressLine 1 and 2 in FlightPriceRS or OrderViewRS means Street 1 and 2 in OrderCreate**Note:** Specify only Street 1 if AddressLine 1 was mandatory and specify both Street 1 and 2 if both AddressLine 1 and AddressLine 2 were returned as mandatory in FlightPriceRS or OrderViewRS |
| PO\_Box |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderBillingAddress/PO\_Box | O | Post office box**Example:** 21**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| CityName |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderBillingAddress/CityName | O | 3 letter City Code**Example:** NYC or LON**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| StateProv |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderBillingAddress/StateProv | O | State or province code**Examples:** NY**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| PostalCode |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderBillingAddress/PostalCode | O | Postal Code**Example:** SW3 1XH **Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| CountryCode |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/CardHolderBillingAddress/CountryCode | O | Billing country code (2 letter code)**Example:** GB**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| Surcharge |  |  |  | Surcharge fee applicable for the payment card |
| Amount |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/Surcharge/Amount | O | Provide total surcharge amount for all passengers that was returned in the FlightPriceRS or OrderViewRS**Example:** 5**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| Code (Attribute) |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/Surcharge/Amount/Code(Attribute) | O | Currency code**Example:** GBP This should be same as what was returned in the FlightPriceRS or OrderViewRS**Note:** This is an optional attribute in NDC schema but for calling BA services this must be passed |
| EffectiveExpireDate |  |  | O |  |
| Effective |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/EffectiveExpireDate/Effective | O | Specifies payment card start date**Example:** 0812Where 08 = Month12 = Year**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| Expiration |  | OrderCreateRQ/Query/Payments/Payment/Method/PaymentCard/EffectiveExpireDate/Expiration | O | Specifies payment card expiry date**Example:** 0815Where 08 = Month15 = Year**Note:** Though this is optional in NDC schema, it must be specified if it was returned as a mandatory in FlightPriceRS or OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable) |
| Cash |  |  | O | Populate this section if form of payment is cash (BSP settlement) **Note:** Though this is optional element in NDC schema, it must be provided if cash is used as the form of payment (only available for agents registered for BSP settlement) |
| CashInd (Attribute) |  | OrderCreateRQ/Query/Payments/Payment/Method/Cash/CashInd(Attribute) |  | This should always be “True” for cash payment**Note:** Though this is optional attribute in NDC schema, it must be provided if cash is used as the form of payment  |
| Amount |  | OrderCreateRQ/Payments/Payment/Amount | M | Amount payable by Card or Cash. This should include card surcharge as well for card payment**Example:** 500.55 |
| Code (Attribute) |  | OrderCreateRQ/Payments/Payment/Amount/ Code (Attribute) | O | Currency code**Example:** GBP **Note:** This is an optional attribute in NDC schema but for calling BA services this must be passed |
| Payer |  |  | O | Payer details must be provided if the person who is paying for the booking is not a passenger |
| Name |  |  | M | Payer’s name details |
| Surname |  | OrderCreateRQ/Query/Payments/Payment/Payer/Name/Surname | M | Payer’s surname or family (last) name |
| Given |  | OrderCreateRQ/Query/Payments/Payment/Payer/Name/Given | O | Payer’s given name or first name |
| Title |  | OrderCreateRQ/Query/Payments/Payment/Payer/Name/Title | O | Payer’s title**Example:** Mr |
| Middle |  | OrderCreateRQ/Query/Payments/Payment/Payer/Name/Middle | O | Payer’s middle name or initial**Example:** G |
| DataLists |  |  |  |  |
| FareList |  |  | O | Fare basis code for each passenger type for each flight segment should be provided in this section |
| FareGroup |  |  | M | This is a list and will be repeated to return unique fare basis code for the requested itinerary  |
| ListKey (Attribute) |  | OrderCreateRQ/Query/DataLists/FareList/FareGroup/ListKey (Attribute) | M | **Example:** FBCODE1ADT |
| Fare |  |  | M |  |
| FareCode |  |  | M |  |
| Code |  | OrderCreateRQ/Query /DataLists/FareList/FareGroup/Fare/ FareCode/Code | M | Will always be “70J” |
| FareBasisCode |  |  | M |  |
| Code |  | OrderCreateRQ/Query /DataLists/FareList/FareGroup/FareBasisCode/Code | M | Fare basis code**Example:** VZ0RIN |
| Metadata |  |  | O | Populate this section only when Leisure Fare is requested |
| Other |  |  | O |  |
| OtherMetadata |  |  | M |  |
| RuleMetadatas |  |  | M |  |
| RuleMetadata |  |  | M |  |
| MetadataKey (Attribute) |  | OrderCreateRQ/Query/ Metadata/Other/OtherMetadata/RuleMetadatas/RuleMetadata/MetadataKey (Attribute) | M | Unique key**Example:** LeisurefareType |
| RuleID |  | OrderCreateRQ/Query/ Metadata/Other/OtherMetadata/RuleMetadatas/RuleMetadata/RuleID | M | Leisure fare should be specified herePossible Leisure Fare types are1) Inclusive Tour2) Contract Bulk3) Private Fare Adult4) Marine5) Humanitarian |

### Response

|  |
| --- |
| **Service Input Parameters** |
| **Input Parameters** | **Type** | **Schema Definition****(http://www.ba.com****/schema/)** | **Optional/Mandatory** | **Comments** |
| Request object | OrderViewRS | OrderViewRSxsd | M |  |
| **OrderViewRS Data Fields** |
| **Field Type** | **Data Type** | **Schema Definition****(http://www.ba.com/schema/)** | **Optional/Mandatory** | **Comments** |
| Document |  |  | M |  |
| Name |  | OrderViewRS/Document/Name | M | Will be returned as “BA” |
| Success |  | OrderViewRS/Success | M | The presence of the empty Success element explicitly indicates that the message succeeded |
| Warnings |  |  | **O** | Warning will be returned only when the flight purchase is successful but the seat purchase is failed |
| Warning |  | OrderViewRS/Warnings/Warning |  | BA warning message **Example:** Unable to book seat |
| Type (Attribute) |  | OrderViewRS/Warnings/Warning/Type (Attribute) | **O** | PADIS Code -IATA definition from codeset 9845**Example:** 309 |
| ShortText (Attribute) |  | OrderViewRS/Warnings/Warning/ShortText (Attribute) | **O** | PADIS message -IATA definition from codeset 9845**Example:** Unfulfilled Paid Service |
| Response |  |  | **M** |  |
| Passengers |  |  | M |  |
| Passenger |  |  | O | Passenger details |
| ObjectKey (Attribute) |  | OrderViewRS/Response /Passengers/Passenger/ ObjectKey (Attribute) | O | Unique passenger ID **Example:** T1 |
| PTC |  | OrderViewRS/ Response /Passengers/Passenger/PTC | O | Passenger TypeValues are: ADT,CHD,INFWhereADT = AdultCHD = ChildINF = Infant |
| PassengerAssociation |  | OrderViewRS/ Response /Passengers/Passenger/ PassengerAssociation | O | This element is used to associate an infant (not requiring a seat) to an adult. Infant passenger’s ObjectKey will be returned in this element**Example:** T2Where T2 is infant passenger’s ObjectKey |
| Age |  |  | O |  |
| BirthDate |  | OrderViewRS/ Response /Passengers/Passenger/Age/BirthDate | M | Date of birth of the passenger**Example:** 2012-01-27 |
| Name |  |  | M | Passenger name details |
| Surname |  | OrderViewRS/ Response /Passengers/Passenger/Name/Surname | M | Passenger’s surname or family (last) name |
| Given |  | OrderViewRS/ Response /Passengers/Passenger/Name/Given | O | Passenger’s given name or first name |
| Title |  | OrderViewRS/ Response /Passengers/Passenger/Name/Title | O | Passenger’s title**Example:** Mr |
| Middle |  | OrderViewRS/ Response /Passengers/Passenger/Name/Middle | O | Passenger’s middle name or initial**Example:** G |
| Contacts |  |  | O | Passenger contact details |
| Contact |  |  | M |  |
| AddressContact |  |  | O | Passengers address details |
| Street |  | OrderViewRS/ Response /Passengers/Passenger/Contacts/Contact/AddressContact/Street | O | **Example:** BEECHES APARTMENT,201 LAMPTON ROAD,TW34DF |
| EmailContact |  |  | O | Email address of the passenger |
| Address |  | OrderViewRS/ Response /Passengers/Passenger/Contacts/Contact/EmailContact/Address | M | **Example:** abc@cbd.com |
| PhoneContact |  |  | O | Passenger’s phone details |
| Application |  | OrderViewRS/Response /Passengers/Passenger/Contacts/Contact/PhoneContact/Application | O | Will always be returned as “Other” |
| Number |  | OrderViewRS/ Response /Passengers/Passenger/Contacts/Contact/PhoneContact/Number | O | Phone number**Example:** 71234578 |
| FQTVs |  |  | O | Passenger’s frequent flyer information |
| TravelerFQTV\_Information |  |  | O | Airline loyalty information |
| AirlineID |  | OrderViewRS/Response/Passengers/Passenger/FQTVs/TravellerFQTV\_Information/AirlineID | M | Frequent flyer airline code**Example:** BA |
| Account |  |  | O | This must be provided if TravelerFQTV\_Information is present |
| Number |  | OrderViewRS/Response /Passengers/Passenger/FQTVs/TravellerFQTV\_Information/Account/Number | M | Frequent flyer number**Example:** 12345678 |
| Gender |  | OrderViewRS/Response /Passengers/Passenger/Gender | O | Possible values areMaleFemale |
| AdditionalRoles |  |  | O | This element will be returned only if this passenger is the payer of the booking |
| PaymentContactInd (Attribute) |  | OrderViewRS /Response /Passengers/Passenger/AdditionalRoles/PaymentContactInd (Attribute) | O | This attribute will be set to “True” only if this passenger is the payer of the booking |
| Order |  |  | M |  |
| OrderID |  | OrderViewRS/Response/ Order/OrderID | M | Booking reference or PNR reference**Example:** YOMH3W |
| Owner (Attribute) |  | OrderViewRS/Response/ Order/OrderID/Owner (Attribute) | M | BA |
| TotalOrderPrice |  |  | O | Total price charged to the customer |
| SimpleCurrencyPrice |  | OrderViewRS/Response/ Order/TotalOrderPrice/SimpleCurrencyPrice | M | **Example:** 8621.98 |
| Code (Attribute) |  | OrderViewRS/Response/ Order/TotalOrderPrice/ Total/Code (Attribute) | O | Currency Code**Example:** GBP |
| OrderItems |  |  | M |  |
| OrderItem |  |  | M | This will be returned once for FlightItem and will be repeated to return each SeatItem**Example:** If the request is for 2 ADT and 2 flights (LHRAMS and AMSLHR) and both passengers have bought seats on both flights then OrderItem will be repeated 4 times each containing an SeatItem and another OrderItem is returned with a FlightItem |
| OrderItemID |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/OrderItemID | M | **Example:** 5RQQJH-1 2 |
| Owner (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/OrderItemID/Owner (Attribute) | M | BA |
| SeatItem |  |  | O |  |
| Price |  |  | O | Seat price |
| Total |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/Price/Total | M | **Example:** 15.00 |
| Code (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/Price/Total /Code (Attribute) | O | Currency code**Example:** GBP |
| Descriptions |  |  | O |  |
| Description |  |  |  |  |
| Text |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/Descriptions /Description/Text | M | The seat category this seat belongs to**Example:** GeneralSideSeat |
| Location |  |  | O | Seat location details |
| Column |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/Location/ Column | O | Seat column**Example:** B |
| Row |  |  | O | Seat row |
| Number |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/Location/Row/Number | O | Row number**Example:** 39 |
| SeatAssociation |  |  | O |  |
| SegmentReferences |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/SeatAssociation/SegmentReferences | M | Reference to a flight on which the seat is booked**Example:** F1 |
| TravelerReference |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/SeatItem/SeatAssociation/TravelerReference | M | Reference to a passenger for whom the seat is booked**Example:** T1 |
| TimeLimits |  |  | O | This will be returned for each paid SeatItem that is held and yet to be paid for  |
| PaymentTimeLimit |  |  | O | This is the deadline by which a commitment to pay must be made for the confirmed (held) seats in an order as agreed with the airline |
| Timestamp (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/TimeLimits/PaymentTimeLimit/Timestamp (Attribute) | O | Payment Time Limit **Example:** 2016-09-05T22:59:00.000Z |
| FlightItem |  |  | O |  |
| Price |  |  | O |  |
| BaseAmount |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/Price/BaseAmount | M | This is the total fare for all passengers **Example:** 26300 |
| Code (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/Price/BaseAmount /Code (Attribute) | O | Currency Code**Example:** GBP  |
| Taxes |  |  | O |  |
| Total |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/Price/Taxes/Total | O | This is the total tax for all passengers **Example:** 37335 |
| Code (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/Price/Taxes/Total /Code(Attribute) | O | Currency Code**Example:** GBP  |
| OriginDestination |  |  | M |  |
| Flight |  |  | M | Flight details |
| SegmentKey |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/SegmentKey | O | **Example:** F1 |
| Departure |  |  | M | Departure information |
| AirportCode |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Departure/ AirportCode | M | Departure airport IATA code**Example:** LHR |
| Date |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Departure/ Date | M | Local Departure date i.e. local to the departure location**Example:** 2015-08-13 |
| Time |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Departure/ Time | O | Local Departure time i.e. local to the departure location |
| AirportName |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Departure /AirportName | O | Departure airport name**Example:** Heathrow (London) |
| Terminal |  |  | O | Departure terminal information |
| Name |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Departure/ Terminal/Name | O | **Example:** 2 |
| Arrival |  |  | M | Arrival information |
| AirportCode |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/ AirportCode | M | Arrival airport IATA code**Example:** AMS |
| Date |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/ Date | O | Local Arrival date i.e. local to the arrival location**Example:** 2015-08-19 |
| Time |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/ Time | O | Local Arrival time i.e. local to the arrival location |
| ChangeOfDay |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/ChangeOfDay  | O | Number of days between arrival and departure**Example:** 1 |
| AirportName |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/AirportName | O | Arrival airport name**Example:** Amsterdam |
| Terminal |  |  | O | Arrival terminal information |
| Name |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Arrival/ Terminal/Name | O | **Example:** 3 |
| MarketingCarrier |  |  | M | Marketing carrier information |
| AirlineID |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/MarketingCarrier/AirlineID | M | Marketing carrier code**Example:** BA |
| Name |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/MarketingCarrier/Name | O | Marketing carrier name**Example:** British Airways |
| FlightNumber |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/MarketingCarrier/FlightNumber | M | Marketing flight number**Example:** 1403 |
| OperatingCarrier |  |  | O | Operating carrier information |
| AirlineID |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/OperatingCarrier/AirlineID | O | Operating carrier code**Example:** AA |
| Name |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/OperatingCarrier/ Name | O | Operating carrier name**Example:** AMERICAN AIRLINES |
| Equipment |  |  | O |  |
| AircraftCode |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Equipment /AircraftCode | M | **Example:** 744 |
| Name |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Equipment /Name | O | **Example:** Boeing 767 jet |
| ClassOfService |  |  | O |  |
| Code |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/ClassOfService/Code | M | Selling or Booking class code**Example:** W |
| MarketingName |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/ClassOfService/MarketingName | O | Cabin name **Example:** World Traveller |
| Details |  |  | O |  |
| FlightSegmentType |  |  | O |  |
| Code |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Details/ FlightSegmentType/Code | M | Passenger segment status codeWill always be “HK”HK = Confirmed |
| FlightDuration |  |  | O | Flight segment duration |
| Value |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Details/ FlightDuration/Value | M | **Example:** PT10H |
| Stops |  |  | O | Flight stop quantity |
| StopQuantity |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/OriginDestination/Flight/Details/Stops/StopQuantity | O | Stop quantity**Example:** 1 |
| FareDetail |  |  | O | Fare rules information |
| FareComponent |  |  | M | Fare component pricing information. This is a list and is repeated for each fare component |
| refs (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/FareDetail/FareComponent/refs (Attribute) | O | Flight segments that are applicable for this fare componentUnique reference to a flight segment**Example:** BA1434 |
| FareRules |  |  | O |  |
| Penalty |  |  | O | Penalty information |
| Details |  |  | O |  |
| Detail |  |  | M | Detail will be repeated to return penalty fee for change, upgrade and refund |
| Type |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/FareDetail/FareComponent/FareRules/Penalty/Details/Detail/Type | M | Possible values areChangeUpgradeCancellation |
| Amounts |  |  | O | Penalty fee can either be percentage or currency amount. |
| Amount |  |  | M |  |
| CurrencyAmountValue |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/FareDetail/FareComponent/FareRules/Penalty/Details/Detail/Amounts/Amount/CurrencyAmountValue | M | Change/Upgrade/Cancellation penalty currency amount**Example:** 60 |
| Code (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/FareDetail/FareComponent/FareRules/Penalty/Details/Detail/Amounts/Amount/CurrencyAmountValue/Code (Attribute) | O | Currency Code **Example:** GBP |
| ApplicableFeeRemarks |  |  | O | Change/Upgrade/Cancellation rule text is returned here |
| Remark |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/FlightItem/FareDetail/FareComponent/FareRules/Penalty/Details/Detail/Amounts/Amount/ApplicableFeeRemarks/Remark | M | **Example:** Time/date changes permitted at any time before each flight departure for a change fee of GBP 60 or an upgrade fee of GBP60 plus any difference in fare. Changes subject to availability. Fees apply per ticket |
| TimeLimits |  |  | O | This will be returned only for held booking i.e booking created without eTickets. |
| PaymentTimeLimit |  |  | O | This is the deadline by which a commitment to pay must be made for the confirmed items in an order as agreed with the airlineThis is also called as Ticket Time Limit, as tickets will only be issued once payment is made |
| Timestamp (Attribute) |  | OrderViewRS/Response/ Order/OrderItems/OrderItem/TimeLimits/PaymentTimeLimit/Timestamp (Attribute) | O | Payment Time Limit or Ticket Time Limit**Example:** 2016-09-05T22:59:00.000Z |
| Payments |  |  | O |  |
| Payment |  |  | M | This will be repeated for each forms of payment |
| Method |  |  | M | Payment method |
| CashMethod |  |  | O |  |
| Amount |  | OrderViewRS/Response/ Payments/Payment/Method/CashMethod/Amount | O | Amount paid by cash**Example:** 8621.98 |
| PaymentCardMethod |  |  | O |  |
| CardCode |  | OrderViewRS/Response/ Payments/Payment/ Method/PaymentCardMethod/CardCode | O | **Example:** VI |
| MaskedCardNumber |  | OrderViewRS/Response/ Payments/Payment/ Method/PaymentCardMethod/MaskedCardNumber | O | Tokenised card number**Example:** 7777202128060587 |
| CardholderAddress |  |  | O |  |
| PaymentAddress |  |  | M |  |
| Street |  | OrderViewRS/Response/ Payments/Payment/ Method/PaymentCardMethod/CardholderAddress/ PaymentAddress/Street | O | **Example:** AMERICAS 2B,WATERSIDE,HEB2 |
| EffectiveExpireDate |  |  | O |  |
| Expiration |  | OrderViewRS/Response/ Payments/Payment/ Method/PaymentCardMethod/EffectiveExpireDate/ Expiration | O | **Example:** 0119 |
| Amount |  | OrderViewRS/Response/ Payments/Payment/Amount | O | Total amount charged on this Card or Total amount paid by Cash**Example:** 395.02 |
| Code (Attribute) |  | OrderViewRS/Response/ Payments/Payment/Code (Attribute) | O | Currency Code**Example:** GBP |
| TicketDocInfos |  |  | O |  |
| TicketDocInfo |  |  | M | Ticket document information. This is a list and will be repeated for each eTicket/EMD number |
| TicketDocument |  |  | M | Ticket document details |
| TicketDocNbr |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/TicketDocNbr | M | Ticket/EMD number. This number is comprised of airline code and serial number**Example:** 125-8512563144Where125 = Airline code8512563144 = Serial number |
| Type |  |  | M | Document type |
| Code |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/Type/Code | M | IATA PADIS Code from codeset 1001Possible values areTJYWhere T = TicketJ = EMD-A (Associated)Y = EMD-S (Standalone) |
| NumberofBooklets |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/NumberofBooklets | M | Will always be returned as “1” |
| DateOfIssue |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/DateOfIssue | M | **Example:** 2015-09-21 |
| CouponInfo |  |  | O | For ETickets, for each flight segment CouponInfo will be returned.For EMDs, CouponInfo will be returned per ancillary per passenger |
| CouponNumber |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/CouponNumber | M | ETicket or EMD coupon number**Example:** 1 |
| FareBasisCode |  |  | O |  |
| Code |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/FareBasisCode/Code | M | **Example:** MLXNCGBFareBasisCode will be returned only for ETickets |
| Status |  |  | M |  |
| Code |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/Status/Code | M | ETicket or EMD coupon status The status will be returned as defined in IATA Codeset 4405

|  |  |
| --- | --- |
| **Code**  | **Description** |
| AL  | Airport control |
| B  | Flown/used |
| BD  | Boarded |
| CK  | Checked in |
| E | Exchanged/reissued |
| OPE  | Open |
| RF  | Refunded |
| V | Void |

 |
| SoldAirlineInfo |  |  | O | This section will be returned only for ETickets |
| DepartureDateTime |  |  | O |  |
| DateTime (Attribute) |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/ DepartureDateTime/ DateTime (Attribute) | O | **Example:**2016-09-08T13:10:00.000Z |
| Departure |  |  | O | Departure information |
| AirportCode |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/Departure/AirportCode | M | Departure airport IATA code**Example:** LHR |
| Date |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/Departure/Date | M | Local Departure date i.e. local to the departure location**Example:** 2015-08-13 |
| Time |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/Departure/Time | O | Local Departure time i.e. local to the departure location |
| AirportName |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/Departure/AirportName | O | **Example:** Heathrow (London) |
| Arrival |  |  | O | Arrival information |
| AirportCode |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/Arrival/AirportCode | M | Arrival airport IATA code**Example:** AMS |
| MarketingCarrier |  |  | O | Marketing carrier information |
| AirlineID |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/MarketingCarrier/AirlineID | M | Marketing carrier code**Example:** BA |
| FlightNumber |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/SoldAirlineInfo/MarketingCarrier/FlightNumber | M | Marketing flight number**Example:** 1403 |
| InConnectionWithInfo |  |  | O | This section will be returned only for EMDs |
| InConnectionDocNbr |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/InConnectionDocNbr | O | The ETicket number to which this EMD is associated**Example:** 1258540669475 |
| InConnectonCpnNbr |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/InConnectonCpnNbr | O | The ETicket coupon number to which this EMD is associated**Example:** 1 |
| ReasonForIssuance |  |  | O | Reason for Issuance InformationThis section will be returned only for EMDs |
| RFIC |  |  | O | The RFIC will be returned as defined in IATA Codeset 4183 |
| Code |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/ReasonForIssuance/RFIC/Code | M | Reason for Issuance Information Code

|  |  |
| --- | --- |
| **Code**  | **Description** |
| A  | Air transportation |
| B | Surface transportation/non air services |
| C  | Baggage |
| D  | Financial impact |
| E | Airport services |
| F  | Merchandise |
| G  | Inflight services |

 |
| Definition |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/ReasonForIssuance/RFIC/Definition | O | **Example:** AIR |
| Code |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/ReasonForIssuance/Code | O | EMD code returned by BA**Example:** 0B5 for seats |
| Description |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/TicketDocument/ CouponInfo/ReasonForIssuance/Description | O | Free format text associated with the EMD**Example:** PREPAID SEAT CHARGENON-INTERLINEABLE |
| Price |  |  | O | Total price paid for this ancillaryThis section will be returned only for ETickets |
| Total |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/Price/Total | O | EMD Price**Example:** 15.00 |
| Code (Attribute) |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/Price/Total/Code (Attribute) | O | Currency Code**Example:** GBP |
| PassengerReference |  | OrderViewRS/Response/TicketDocInfos/TicketDocInfo/PassengerReference | M | Reference to a passenger for whom the ETicket/EMD is associated **Example:** T1 |
| Commission |  |  | O | Agent commission details. Commission can either be amount or percentage |
| Amount |  | OrderViewRS/Response /Commission/Amount  | M | Commission amount**Example:** 5.25 |
| Percentage |  | OrderViewRS/Response /Commission/Percentage | M | Commission percentage**Example:** 5 |
| DataList |  |  | O |  |
| DisclosureList |  |  | O | Seating policy link and Terms and conditions are returned here |
| Disclosures |  |  | M | This is a list and will be repeated twice; once for seating policy and once for terms and conditions |
| ListKey (Attribute) |  | OrderViewRS/Response/ DataList/DisclosureList Disclosures/ListKey (Attribute) |  | **Example:** Seating-policy |
| Description |  |  |  |  |
| Text |  | OrderViewRS/Response/ DataList/DisclosureList Disclosures/Description/Text |  | **Example:** BA Seating Policy |
| Media |  |  |  |  |
| MediaLink |  | OrderViewRS/Response/ DataList/DisclosureList Disclosures/Description/ Media/MediaLink |  | Link address**Example:** https://www.ba.com/EN-PL/information/seating/choosing-your-seat |
| MediaList |  |  | O | Link information. Contains ba.com manage my booking link where customer can service the booking (add FQTV, Change booking etc) |
| Media |  |  | M |  |
| ListKey (Attribute) |  | OrderViewRS/Response/ DataList/MediaList/ Media/ListKey (Attribute) | M | Unique key**Example:** Media1 |
| MediaLink |  | OrderViewRS/Response/ DataList/MediaList/ Media/MediaLink | O | Link address**Example:** www.ba.com/mmb/1?bookingRef=YN37L5&amp;lastname=NATHA |
| Descriptions |  |  | O |  |
| Description |  |  | O |  |
| Text |  | OrderViewRS/Response/ DataList/MediaList/ Media/Descriptions/ Description/Text | O | Will always be “Manage My Booking” |
| Metadata |  |  | O |  |
| Other |  |  | O |  |
| OtherMetadata |  |  | M |  |
| CurrencyMetadatas |  |  | M |  |
| CurrencyMetadata |  |  | M | Number of decimals applicable for the currency code used in the response |
| MetadataKey (Attribute) |  | OrderViewRS/Response /MetaData/Other/OtherMetaData/CurrencyMetadatas/CurrencyMetadata/ MetadataKey (Attribute) | M | Unique key**Example:** GBP |
| Decimals |  | OrderViewRS/Response /MetaData/Other/OtherMetaData/CurrencyMetadatas/CurrencyMetadata/Decimals | O | Number of decimals applicable for the currency code |
| Errors |  |  | M | Error information |
| Error |  | OrderViewRS/Errors/Error | M | This is a list so more than one error will be returned by repeating ErrorBA error code and message**Example:** NDC\_SLNG\_1046 - Card is not applicable for the customer's billing country and agent's location - please choose from the options provided in this response. |
| ShortText (Attribute) |  | OrderViewRS/Errors/Error/ShortText | O | PADIS error code**Example:** 304 |
| Code (Attribute) |  | OrderViewRS/Errors/Error/Code | O | PADIS error message**Example:** System Temporarily unavailable |
| AdditionalInfo |  |  | O | This section will be returned only if the payment card passed in OrderCreateRQ is not applicable for the customer’s billing country and agent’s locationClients will have to call OrderCreateRQ again with one of the applicable cards returned in this section |
| AddressMetadatas |  |  | M |  |
| AddressMetadata |  |  | M | Billing address information is returned here |
| MetadataKey (Attribute) |  | OrderViewRS/AdditionalInfo/AddressMetadatas/AddressMetadata/MetadataKey (Attribute) | M | Unique key**Example:** Address |
| AddressType |  | OrderViewRS/AdditionalInfo/AddressMetadatas/AddressMetadata/AddressType | O | Will always be “Billing” |
| AddressFields |  |  | O | Returns mandatory address fields details that should be provided when payment card is used as form of payment in OrderCreateRQ |
| FieldName |  | OrderViewRS/AdditionalInfo/AddressMetadatas/AddressMetadata/AddressFields/FieldName | M | **Example:**<AddressFields> <FieldName Mandatory="true">AddressLine1</FieldName> <FieldName Mandatory="true">AddressLine2</FieldName> <FieldName Mandatory="true">PostalCode</FieldName> <FieldName Mandatory="true">CountryCode</FieldName> </AddressFields> |
| Mandatory (Attribute) |  | OrderViewRS/AdditionalInfo/AddressMetadatas/AddressMetadata/AddressFields/FieldName/Mandatory (Attribute) | M | Boolean and will always be returned as “True”. This is because the service will only return mandatory address fields that should be provided when payment card is used as form of payment in OrderCreateRQ |
| PaymentCardMetadatas |  |  | M |  |
| PaymentCardMetadata |  |  | M | Returns a list of applicable payment cards along with the mandatory card information that should be provided when payment card is used as form of payment in OrderCreateRQ**Note:** If PaymentOptions not returned, it means card payment is not applicable for the agent’s location (point of sale) and the customer’s billing country |
| MetadataKey (Attribute) |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/MetadataKey (Attribute) | M | Unique key**Example:** Payment1 |
| CardCode |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/CardCode | M | **Example:** VI |
| CardName |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/CardName | O | **Example:** Visa Credit |
| CardType |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/CardType | O | **Example:** Credit |
| CardFields |  |  | O | Returns mandatory card details that should be provided when payment card is used as form of payment in OrderCreateRQ |
| FieldName |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/CardFields/FieldName | M | This is a list and is repeated to return all the mandatory card details**Example:**<FieldName Mandatory="TRUE">CardType</FieldName> <FieldName Mandatory="TRUE">CardCode</FieldName> <FieldName Mandatory="TRUE">CardName</FieldName> <FieldName Mandatory="TRUE">CardNumber</FieldName> <FieldName Mandatory="TRUE">CardHolderName</FieldName> <FieldName Mandatory="TRUE">Expiration</FieldName> <FieldName Mandatory="TRUE">SeriesCode</FieldName> |
| Mandatory (Attribute) |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/CardFields/FieldName/ Mandatory (Attribute) | M | Boolean and will always be returned as “True”. This is because the service will only return mandatory card details that should be provided when payment card is used as form of payment in OrderCreateRQ |
| Surcharge |  |  | O | Surcharge fee applicable for the payment card |
| Amount |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/Surcharge/Amount | M | Total surcharge amount for all passengers**Example:** 20.00 |
| Code (Attribute) |  | OrderViewRS/AdditionalInfo/PaymentCardMetadatas/PaymentCardMetadata/Surcharge/Amount/Code (Attribute) | O | Currency Code **Example:** GBP |

## URLs to access this web service

### Live URL

 <https://api.ba.com/selling-distribution/OrderCreate/V2>

***Note:*** *If you are operating on the earlier version of our APIs, the endpoint is*

*<https://api.ba.com/selling-distribution/OrderCreate/V1>*

*Please note that this version does not support all the latest functionality and it uses IATA Schema 1.1.3*

### Test URL

<https://test.api.ba.com/selling-distribution/OrderCreate/V2>

***Note:*** *If you are operating on the earlier version of our APIs, the endpoint is*

*<https://test.api.ba.com/selling-distribution/OrderCreate/V1>*

*Please note that this version does not support all the latest functionality and it uses IATA Schema 1.1.3*

### Mandatory headers

In order to access our API, you will need to pass the following two headers for each call

**Client-key**: Your 24-bit API connection key

**SOAPAction:** OrderCreateV01

## Sample SOAP NDC Request to access this web service

















## Sample SOAP NDC Response









## Sample SOAP NDC Response with errors



## Sample SOAP Response with errors

Any schema validation error will be returned as SOAP Fault



# Frequently Asked Questions

## FAQs

**Q: Can I change the 24-bit connection key provided by British Airways developer website?**

**A:** No, these keys are issued using a secured algorithm and cannot be modified. However if you feel that your key has been compromised, we can block the existing one and issue a new one for you.

**Q: Do I need to advise British Airways of any IP changes?**

A: No, the API endpoints are not dependent on your IP and therefore you do not need to let us know of any change on your end.

**Q: Can I modify the username used for the Developer website?**

**A:** Yes, you would need to register with a new name, and let your usual BA contact know so that your accesses can be transferred from your previous account to the new one.

# Usability Guide

## Usage advice

**OrderCreate Service**

1. The service returns an error if the fare that was returned in FlightPrice response is not available during booking creation. This is possible because the selling class that was quoted in FlightPrice may have been sold out during booking creation and hence same fare may not be available.
2. The service now accepts upto 6 Origin Destination pairs to be booked.
3. The service validates the seat availability and price and rejects seat purchase if the seat is not valid or taken or price is not valid for the seat.
4. The service works out the commission that is applicable for the agent irrespective of whether the commission value is passed in the request or not.
5. If the booking request is successful but for any reason, the seat purchase is not (This situation may happen if a selected seat has been booked by another customer in the meantime or an Invalid seat price is passed in the request), then booking will still be created and eTicket will be issued. Customer will be charged only for the flights in this scenario.
6. The service sends an eTicket receipt email after successful booking creation.
7. The service returns error if only some of the passengers in the booking try to book seats rather than all passengers
8. The service issues EMD after successful seat purchase.
9. The service accepts both Card and Cash (BSP settlement) forms of payment
10. For cash payment, client must choose form of payment method as Cash in the OrderCreateRQ
11. Card payments are accepted to create a booking. The steps involved are detailed below
	* 1. Not all payment cards are applicable for all countries. The service determines the applicable payment cards based on agent’s location (point of sale) and the customer’s billing country (this is basically where the customer’s card is registered or the country of residence of the customer)
		2. In the FlightPriceRQ, agent may specify customer’s billing country (this is basically where the customer’s card is registered or the country of residence of the customer). This is an optional element, as during flight price stage, agent may or may not ask customer’s card details, as customer may not have decided to make the booking at this stage
		3. In the FlightPriceRS, the list of applicable payment cards along with the mandatory card information and mandatory card billing address information based on the agent’s location and customer’s billing country are returned. Each card will be returned with surcharge amount, if applicable. The surcharge returned is the total amount for all passengers.
		4. If customer’s billing country was not provided in the FlightPriceRQ, then the list of applicable payment cards with the mandatory card information and mandatory card billing address information based on the agent’s location will be returned. Agent’s location will be assumed as the customer’s billing country in this case.
		5. In FlightPriceRS, if no payment card details returned, it means card payment is not applicable for the agent’s location and the customer’s billing country. This is an exceptional case though.
		6. In OrderCreateRQ, pass payment card details with all the mandatory information for the card such as expiry date, surcharge, card number etc and the mandatory card billing address information such as address, post code etc as returned in the FlightPriceRS or in OrderViewRS (returned as part of error when payment card passed in OrderCreateRQ is not applicable).
		7. Although CardName will always be returned as a mandatory element in FlightPriceRS or in OrderViewRS, it is not required to be passed in OrderCreateRQ. The service will internally work out the CardName from CardCode
		8. If any of the mandatory fields are not passed or invalid details passed, then the service will return error in OrderViewRS with the element that was missing or invalid. Client should then correct the details and call OrderCreateRQ again. Booking will not be created in this scenario.
		9. If the payment card passed is not applicable then the service will return error in OrderViewRS with the list of applicable payment cards along with the mandatory card information and mandatory card billing address information based on the customer’s billing country and agent’s location. This is possible where the customer’s billing country was not passed in FlightPriceRQ as it was not known during FlightPrice stage. So the service will return payment cards based on agent’s location but when OrderCreateRQ is called with that payment card, it may not be applicable for the customer’s billing country and agent’s location. **Note:** OrderCreate service knows the customer’s billing country based on the billing address information passed in the OrderCreateRQ.

 **Example:** Agent location = UK, Customers billing country = US

 When calling FlightPriceRQ, if customers billing country was not passed in the request, the

 list of applicable payment cards returned will be based on UK. Let’s say it returned Visa

 Credit, Visa Debit and Maestro. In OrderCreateRQ, if the customer has selected Maestro the

 service will now validate whether Maestro is applicable for UK and US and if it is not valid

 then error will be returned along with the list of applicable payment cards for UK and US

* + 1. If the payment card is valid and if the payment card authorisation is successful then payment will be accepted and booking will be created
		2. Booking will not be created and customer will not be charged if the payment card authorisation fails
1. If no payment details passed in the OrderCreateRQ, the service treats it as a hold booking request.
2. The service returns error when the request contains no payment details and the requesting corporate or agent is not eligible to create a hold booking
3. The service returns Payment Time Limit (also called as Ticket Time Limit) in the OrderViewRS once the hold booking is successfully created
4. Payment Time Limit is always returned in UTC (GMT) time zone
5. The service sends a confirmation email to the agent once the hold booking is successfully created
6. Along with flights, seats can also be reserved as part of hold booking. The time limit to pay for held seats may be different than the time limit to pay for flights
7. Hold booking will be cancelled automatically if the payment is not made before Payment Time Limit expires
8. In OrderCreateRQ, client can specify agent’s contact email address in addition to passenger’s contact email address. The eTicket confirmation email will be sent to the agent’s email address for bookings created by IATA agents.
9. OrderViewRS returns the total order price along with the price charged from each forms of payments (Card or Cash).
10. In OrderCreateRQ, client can specify the language in which the eTicket receipt email and any other communication emails from BA should be sent. If the preferred language is not supported by BA or is not passed in the request then the default language will be used, which is English. Please see section 10 for the languages that are supported by BA.
11. The service returns both ETicket and EMD details once the documents are successfully issued (Instant purchase scenario).
12. Held seats will be cancelled automatically if the payment is not made before Payment Time Limit expires
13. Agents can also cancel held seats before the Payment Time Limit, if they wish. A confirmation email will be sent to the agent once the seats are successfully cancelled
14. The service now supports the below Leisure Fare types
	* Inclusive Tour
	* Humanitarian
	* Marine
	* Contact Bulk
	* Private Fare Adult

Clients will be able to request any of the above Leisure Fare types via OrderCreate

1. Clients can only request one Leisure Fare type per request. If more than one Leisure Fare is requested then the service will apply the first Leisure Fare type it finds from the list
2. The service returns error if the requested Leisure fare is not available i.e the service will not default to the published fare if the requested leisure fare is not available
3. The service rejects request and returns error, if the agent is not eligible to request for leisure fare types

**Non-IATA Agents**

Non-IATA agents can also shop and order using BA NDC services (AirShopping, FlightPrice, SeatAvailability and OrderCreate). The following rules are applicable for non-IATA agents

1. Commission is not applicable for non-IATA agents. Even if commission element is passed in OrderCreateRQ, the service will ignore the commission
2. Special cash payment is not allowed for non-IATA agents
3. The eTicket confirmation email will be sent to the customer’s email address

**General**

1. The service returns prices in exact decimal value based on the currency (e.g. GBP will be returned at 2 decimals, while JPY will be returned at integer level only).
2. The service checks if the agent calling the service has the right to create BA bookings. If the agent does not have such authority then the service will not proceed and will return an error.
3. The service checks if the requesting Travel Management Company (TMC) is allowed to service the corporate and returns error if it is not allowed.
4. The service returns responses in the agent’s preferred language. If the agent’s preferred language is not supported by BA or the agent’s preferred language is not passed in the request then the default language will be used, which is English. Please see section 7 for the languages that are supported by BA.
5. Air Passenger Duty (APD) no longer applies to passengers aged between 12 and under 16 years old travelling in Economy after 1st March 2016. For travel on or after this date, BA need to know if anyone in this age range is travelling so that APD is not charged for them. Therefore, it is advised for clients to provide passenger’s age in all BA NDC services so that the service will know the passenger is a young adult and won’t charge APD.

# Appendix 1 –Web Services error responses

## OrderCreate error/ineligibility checks

|  |  |
| --- | --- |
| PADIS Error Code | PADIS Error Text |
| 102 | Invalid/missing departure dates |
| 304 | System Temporarily unavailable |
| 316 | Contact element (phone and/or address) missing |
| 362 | Unable to display PNR and/or name list |
| 420 | Not Available but Waitlist is Open |
| 421 | Not Available and Waitlist is Closed |
| 709 | Invalid or missing frequent traveller information |
| 794 | Invalid or missing fare calculation |
| 317 | Contact element (phone and/or address) invalid |
| 708 | Incorrect credit card information |
| 110 | Invalid Source of Business |
| 73E | Unable to price – currency restrictions |
| 911 | Unable to process - system error |
| 309 | Unfulfilled Paid Service |

# Appendix 2 – Languages supported by BA

BA supports the below 11 languages

|  |  |
| --- | --- |
| Language Code | Language |
| EN | English |
| ES | Spanish |
| JA | Japanese |
| FR | French |
| IT | Italian |
| ZH | Chinese |
| DE | German |
| PT | Portuguese |
| RU | Russian |
| PL | Polish |
| SV | Swedish |

#  Appendix 3 – Test card numbers

Please use the below test card numbers for your development. Please note that those card numbers are for test purposes in the BA Sandbox environment, but will not be valid in a live environment.

The other elements associated to these cards (Date, CCV, Address) are not validated for Sandbox environment so you may populate anything in those fields as long as this remains logical (e.g. Expiry date in the future, or CCV to be 3 digits for a Visa etc).

**Note:** Those test card numbers are NOT to be communicated to anyone outside of the Developers granted access to BA NDC API. BA accepts no liability if those numbers have been used outside of this test environment and/or without BA prior consent.

|  |  |
| --- | --- |
| **Card Name** | **Card Number** |
| Visa Credit | 4111111111111111 |
|  | 4111111111000587 |
|  | 4111111111000249 |
|  | 4021930000004882 |
|  | 4012001011000771 |
|  | 4012050000000029 |
|  | 4012001021000605 |
|  | 4012001021000613 |
| Visa Delta/Debit | 4539795097006388 |
|  | 4988240000006445 |
|  | 4539795097007469 |
| American Express | 372701001006272 |
|  | 342701001009232 |
| Diners club | 30120010117786 |
|  | 36120010103186 |
|  | 38451101007103 |
| Switch/Maestro | 491182014290002114 |
|  | 675905300000007079 |
| Discover | 6011002700008766 |
| MasterCard | 5199992312641465 |
|  | 5499999999999998 |
|  | 5453010000074468 |
|  | 5453010000074617 |
|  | 5453010000074401 |
|  | 5453010000074088 |
|  | 5453010000060350 |
|  | 5453010000084715 |
| MasterCard Debit | 5100710000005720 |