

ServiceList User Guide

Interface Specification

Last updated: 07-Mar-18

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| --- |
| **Revision History** |
| **Name** | **Version** | **Reason for Change** | **Status** | **Date** |
| BA | 0.1 | ServiceList – Interface Specification  | Final | 31-Aug-16 |
| BA | 0.2 | Updated to include few elements under |FlightSegment List | Update | 07-Mar-18 |

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#  Introduction

The ServiceList Webservice provides IATA Accredited Travel Agents, new retailers and Service Providers the ability to know the services (paid and free) applicable for the order.

ServiceList – this service returns a list of all applicable ancillary, mobility and special needs services along with price for all flights in the booking

## 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 OrderRetrieve, OrderChange, ServiceList, ItinReshop, OrderCancel and AirDocIssue

 

# ServiceList Webservice

This service returns a list of all applicable ancillary services (bags, seats, meals and disability assistance) along with their price for all flights in the booking.

This service can only be used on existing bookings, and may only be accessed by the agent who created the booking. If the agent went through a 3rd party provider to create the initial booking (GDS or service provider), it is also mandatory to go through this same provider in order to access the booking. If the above conditions are not met, the service will return an error and prevent access.

It is recommended that a client should call ServiceList service to know the bag price before proceeding to the OrderChange service to purchase additional bags

## Interface Design

This web service is called with the following inputs:

OrderID (Booking reference or PNR reference)

The output data this service returns includes:

List of applicable services and for each service

Service name

Price

Passenger association

Flight association

Minimum quantity

Maximum quantity

Passenger details

Flight details

Origin and destination details

Payment options

List of applicable payment cards with surcharge, if applicable

Mandatory payment card details that should be specified when making a payment

Mandatory billing address details that should be specified when making a payment

Total refund amount due to the passenger including tax split

**Limitations:**

* Currently the service is designed to return bags, seats, applicable meals and disability options.

## Schemas

The service adheres to the IATA NDC ServiceListRQ and ServiceListRS 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**](http://www)**.ba.com****/schema/)** | **Optional/Mandatory** | **Comments** |
| Request object | ServiceListRQ | ServiceListRQ.xsd | M |  |
| **ServiceListRQ Data Fields** |
| **Field Type** | **Data Type** | **Schema Definition****(**[**http://www**](http://www)**.ba.com/schema/)** | **Optional/Mandatory** | **Comments** |
| **Agency and Service Provider data See section 2.1** |  |  |  |  |
| Version (Attribute) |  | ServiceListRQ/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 Version |
| PrimaryLangID (Attribute) |  | ServiceListRQ/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) |  | ServiceListRQ/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 EnglishAltLangID will not be used even if it is passed in the ServiceList request, as there is no email sent from this service**Example:** EN |
| Document |  |  | M |  |
| Name |  | ServiceListRQ/Document/Name | O | Always pass “BA” |
| Query |  |  | M |  |
| OrderID |  | ServiceListRQ/Query/Reshop/Actions/OrderID | M | Booking reference or PNR reference**Example:** YOMH3W **Note:** This is an optional element in NDC schema but for calling BA service this must be passed |
| Owner (Attribute) |  | ServiceListRQ/Query/Reshop/Actions/OrderID/Owner (Attribute) | M | Specifies the owner of the booking**Example:** BA |

### Response

|  |
| --- |
| **Service Input Parameters** |
| **Input Parameters** | **Type** | **Schema Definition****(http://www.ba.com****/schema/)** | **Optional/Mandatory** | **Comments** |
| Request object | ServiceListRS | ServiceListRS.xsd | M |  |
| **ServiceListRS Data Fields** |
| **Field Type** | **Data Type** | **Schema Definition****(http://www.ba.com/schema/)** | **Optional/Mandatory** | **Comments** |
| Document |  |  | M |  |
| Name |  | ServiceListRS/Document/Name | O | Will be returned as “BA” |
| Success |  | ServiceListRS/Success | M | The presence of the empty Success element explicitly indicates that the message succeeded |
| Warnings |  |  | O | Warning will be returned when none of the service is available for the flights in the booking |
| Warning |  | ServiceListRS/Warnings/ Warning | M | **Example:** No services available for this booking |
| Type (Attribute) |  | ServiceListRS/Warnings/ Warning/Type (Attribute) | O | PADIS Error Code**Example:** 102 |
| ShortText (Attribute) |  | ServiceListRS/Warnings/ Warning/ShortText(Attribute) | O | PADIS Error Message**Example:** Unable to process |
| Services |  |  | O |  |
| Service |  |  | M | This is a list and will be repeated for each applicable service |
| Refs (Attribute) |  | ServiceListRS/Services/ Service/Refs (Attribute) | O | This is a reference to Disclosures associated to the type of service. Disclosures are returned in the DataListReferences used by BA:SeatExcessBaggageMealDisabilityAssistance |
| ObjectKey (Attribute) |  | ServiceListRS/Services/ Service/ObjectKey (Attribute) | O | **Example:** Service1 |
| ServiceID |  | ServiceListRS/Services/ Service/ServiceID | M | **Example:** SRVC-SEAT-PRICE-1-BA35 |
| Owner (Attribute) |  | ServiceListRS/Services/ Service/ServiceID/Owner (Attribute) | M | Will always be “BA” |
| Name |  | ServiceListRS/Services/ Service/Name | M | Service name**Example:** ExcessBags1 |
| Descriptions |  |  | M |  |
| Description |  |  | M |  |
| Text |  | ServiceListRS/Services/ Service/Descriptions/Description/Text | O | Service description**Example:** Excess Bags,L:140, D:85, H:152**Note:** This field is also used to return the maximum allowed wheelchair dimensions for Customers wheelchair. |
| Price |  |  | O | Total service price |
| Total |  | ServiceListRS/Services/ Service/Price/Total | M | **Example:** 15.00 |
| Code (Attribute) |  | ServiceListRS/Services/ Service/Price/Total/Code (Attribute) | O | Currency Code **Example:** GBP |
| Associations |  |  | O |  |
| Traveler |  |  | O |  |
| TravelerReferences |  | ServiceListRS/Services/ Service/Associations/Traveler/TravelerReferences | M | Reference to a passenger for whom the service is applicable**Example:** T1 |
| Flight |  |  | O |  |
| SegmentReferences |  | ServiceListRS/Services/ Service/Associations/Flight/SegmentReferences | M | Reference to a flight for which the service is applicable**Example:** F1 |
| Detail |  |  | O |  |
| ServiceItemQuantityRules |  |  | O |  |
| MinimumQuantity |  | ServiceListRS/Services/ Service/Detail/ServiceItemQuantityRules/MinimumQuantity | M | The MINIMUM Quantity of the Service Item that may be ordered**Example:** 1 |
| MaximumQuantity |  | ServiceListRS/Services/ Service/Detail/ServiceItemQuantityRules/MaximumQuantity | M | The MAXIMUM Quantity of the Service Item that may be ordered**Example:** 8 |
| DataLists |  |  | O |  |
| RecognizedTravelerList |  |  | O |  |
| RecognizedTraveler |  |  | M | Returns all passengers in the booking for whom the services are applicable  |
| ObjectKey (Attribute) |  | ServiceListRS/DataLists/ RecognizedTravelerList/RecognizedTraveler/ObjectKey (Attribute) | O | Unique passenger ID**Example:** T1 |
| Name |  |  | M | Passenger details |
| Surname |  | ServiceListRS/DataLists/ RecognizedTravelerList/RecognizedTraveler/Name/ Surname | M | Passenger’s surname or family (last) name |
| Given |  | ServiceListRS/DataLists/ RecognizedTravelerList/RecognizedTraveler/Name/ Given | O | Passenger’s given name or first name |
| Title |  | ServiceListRS/DataLists/ RecognizedTravelerList/RecognizedTraveler/Name/ Title | O | Passenger’s title**Example:** Mr |
| Middle |  | ServiceListRS/DataLists/ RecognizedTravelerList/RecognizedTraveler/Name/ Middle | O | Passenger’s middle name or initial**Example:** G |
| FlightSegmentList |  |  | O |  |
| FlightSegment |  |  | M | Flight segment details |
| SegmentKey (Attribute) |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/SegmentKey (Attribute) | M | Unique flight segment key**Example:** F1 |
| Departure |  |  | M | Departure information |
| AirportCode |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Departure/AirportCode | M | Departure airport IATA code**Example:** LHR |
| Date |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Departure/Date | M | Local Departure date i.e. local to the departure location**Example:** 2015-08-13 |
| Time |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Departure/Time | O | Local Departure time i.e. local to the departure location |
| AirportName |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Arrival/AirportName | O | Airport Name**Example:** Heathrow (London) Airport |
| Terminal |  |  | O | Terminal Information |
| Name |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Arrival/Terminal/Name | O | Terminal Name**Example:** Terminal 5 |
| Arrival |  |  | M | Arrival information |
| AirportCode |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Arrival/AirportCode | M | Arrival airport IATA code**Example:** AMS |
| Date |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Arrival/Date | O | Local Arrival date i.e. local to the arrival location**Example:** 2015-08-13 |
| Time |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/Arrival/Time | O | Local Arrival time i.e. local to the arrival location |
| AirportName |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Arrival/AirportName | O | Airport Name**Example:** Heathrow (London) Airport |
| Terminal |  |  | O | Terminal Information |
| Name |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Arrival/Terminal/Name | O | Terminal Name**Example:** Terminal 5 |
| MarketingCarrier |  |  | M | Marketing carrier information |
| AirlineID |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/MarketingCarrier/ AirlineID | M | Marketing carrier code**Example:** BA |
| Name |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/MarketingCarrier/Name | O | Marketing Carrier Name**Example:** British Airways |
| FlightNumber |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/MarketingCarrier/ FlightNumber | M | Marketing flight number**Example:** 1403 |
| OperatingCarrier |  |  | O | Operating carrier information |
| AirlineID |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/ OperatingCarrier /AirlineID | O | Operating carrier code**Example:** AA |
| Name |  | ServiceListRS/DataLists/ FlightSegmentList/FlightSegment/ OperatingCarrier /Name | O | Operating carrier name**Example:** American Airlines |
| Equipment |  |  | O | Aircraft Equipment |
| AircraftCode |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Equipment/AircraftCode | M | Aircraft Code**Example:** 788 |
| Name |  | ServiceListRS/DataLists/FlightSegmentList/FlightSegment/Equipment/Name | O | Aircraft equipment name**Example:** Boeing 787 jet |
| FlightList |  |  | O |  |
| Flight |  |  | M |  |
| FlightKey (Attribute) |  | ServiceListRS/DataLists/ FlightList/Flight/FlightKey (Attribute) | M | Unique flight key**Example:** Flight1 |
| SegmentReferences |  | ServiceListRS/DataLists/ FlightList/Flight/SegmentReferences  | M | Association to multiple flight segments. Each flight segment reference is separated by a space **Example:** F1 F2 |
| OriginDestinationList |  |  | O |  |
| OriginDestination |  |  | M | Origin and Destination information |
| OriginDestinationKey (Attribute) |  | ServiceListRS/DataLists/ OriginDestinationList/OriginDestination/OriginDestinationKey(Attribute) | M | Unique origin and destination key**Example:** OD1 |
| DepartureCode |  | ServiceListRS/DataLists/ OriginDestinationList/OriginDestination/DepartureCode | M | Departure airport IATA code**Example:** LHR |
| ArrivalCode |  | ServiceListRS/DataLists/ OriginDestinationList/OriginDestination/ArrivalCode | M | Arrival airport IATA code**Example:** AMS |
| FlightReferences |  | ServiceListRS/DataLists/ OriginDestinationList/OriginDestination/FlightReferences | O | Association to multiple flights. Each flight reference is separated by a space**Example:** Flight1 |
| Metadata |  |  | O |  |
| Other |  |  | O |  |
| OtherMetadata |  |  | M |  |
| AddressMetadatas |  |  | M |  |
| AddressMetadata |  |  | M | Billing address information is returned here |
| MetadataKey (Attribute) |  | ServiceListRS/Metadata/Other/OtherMetadata/AddressMetadatas/AddressMetadata/MetadataKey (Attribute) | M | Unique key**Example:** Address |
| AddressType |  | ServiceListRS/Metadata/Other/OtherMetadata/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 to purchase ancillaries through OrderChange |
| FieldName |  | ServiceListRS/Metadata/Other/OtherMetadata/AddressMetadatas/AddressMetadata/AddressFields/ FieldName | M |  |
| Mandatory (Attribute) |  | ServiceListRS/Metadata/Other/OtherMetadata/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 to purchase ancillaries through OrderChange |
| CurrencyMetadatas |  |  |  |  |
| CurrencyMetadata |  |  |  | This is where the number of decimal that is applicable for the currency code is returned |
| MetadataKey (Attribute) |  |  |  | Unique key**Example:** GBP |
| Decimals |  |  |  | Number of decimal applicable for the currency code returned in the response**Example:** 2 |
| 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 to purchase ancillaries through OrderChange |
| MetadataKey (Attribute) |  | ServiceListRS/Metadata/Other/OtherMetadata/ PaymentCardMetadatas/ PaymentCardMetadata/ MetadataKey (Attribute) | M | Unique key**Example:** Payment |
| CardCode |  | ServiceListRS/Metadata/Other/OtherMetadata/ PaymentCardMetadatas/ PaymentCardMetadata/ CardCode | M | **Example:** VI |
| CardName |  | ServiceListRS/Metadata/Other/OtherMetadata/ PaymentCardMetadatas/ PaymentCardMetadata/ CardName | O | **Example:** Visa Credit |
| CardType |  | ServiceListRS/Metadata/Other/OtherMetadata/ 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 to purchase ancillaries through OrderChange |
| FieldName |  | ServiceListRS/Metadata/Other/OtherMetadata/ 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) |  | ServiceListRS/Metadata/Other/OtherMetadata/ 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 to purchase ancillaries through OrderChange |
| Surcharge |  |  | O | Surcharge fee applicable for the payment card |
| Amount |  | ServiceListRS/Metadata/Other/OtherMetadata/ PaymentCardMetadatas/ PaymentCardMetadata/ Surcharge/Amount | M | Total surcharge amount for all passengers**Example:** 20.00 |
| Code (Attribute) |  | ServiceListRS/Metadata/Other/OtherMetadata/ PaymentCardMetadatas/ PaymentCardMetadata/ Surcharge/Amount/Code (Attribute) | O | Currency Code **Example:** GBP |
| Errors |  |  | M | Error details |
| Error |  | ServiceListRS/Errors/Error | M | BA error code and message**Example:** Unable to retrieve PNR - Please check your booking reference (PNR) |
| Code (Attribute) |  | ServiceListRS/Errors/Error/Code (Attribute) | O | PADIS Error Code**Example:** 129 |
| ShortText (Attribute) |  | ServiceListRS/Errors/Error/ShortText (Attribute) | O | PADIS Error Message**Example:** No PNR Match Found |

## URLs to access this web service

### Live URL

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

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

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

*Please note that this version does not support all the latest functionality and it uses IATA Schema 15.2*

### Test URL

[https://test.api.ba.com/selling-distribution/ServiceList/V2](https://test.api.ba.com/selling-distribution/ServieList/V2)

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

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

*Please note that this version does not support all the latest functionality and it uses IATA Schema 15.2*

### 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:** ServiceListV02

## Sample SOAP NDC Request to access this web service





## Sample SOAP NDC Response



## Sample SOAP NDC Response with errors



## Sample SOAP Response with errors



# 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

**General**

1. All BA NDC services (OrderChange, ItinReshop ServiceList and AirDocIssue) will return prices in exact decimal value based on the currency.
2. All BA NDC services (OrderRetrieve, ItinReshop, ServiceList, OrderCancel, AirDocIssue and OrderChange) check if the agent calling the service has authority to service BA bookings. If the agent does not have such authority then the service will not proceed and will return an error.
3. All BA NDC services (OrderRetrieve, ItinReshop, OrderCancel, ServiceList, AirDocIssue and OrderChange) will return 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.
4. In order to purchase bags post booking creation, it is advised to call the below services in the same order
* OrderRetrieve (Optional)
* ServiceList
* OrderChange

**ServiceList Service**

1. Authentication
* The service checks if the agent requesting ServiceList is the one who has created the booking and is accessing the API via the same channel as booking creation. It returns an error if the agent details do not match.
* The service checks if the requesting corporate’s detail matches with the booking and returns error if the corporate details do not match.
* The service checks if the requesting Travel Management Company (TMC) is allowed to service the corporate and returns error if it is not allowed
1. The service returns prices in the currency of the agent’s country.
2. The service returns the following ancillaries
* Seats
* Bags
* Meals
1. The service returns seat, meal and bag price by taking into account the passenger’s FQTV (frequent flyer) details and corporate codes already present in the booking.
2. The service returns prices for a maximum 10 additional bags
3. If no services are applicable for the flights in the booking then a warning message will be returned.
4. If a booking already has additional bags, ServiceList response will still return additional bag services, however no additional bags can be purchased until all the existing additional bags have been cancelled from the booking.
5. The service returns a list of applicable payment cards that can be used as form of payment if a customer decides to go head and purchase additional bags through OrderChange service.
6. For bags, the service returns maximum and minimum quantity with price

**Example:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Service** | **Minimum Quantity** | **Maximum Quantity** | **Price** |
| Service1 | 1 | 8 | £20 |
| Service2 | 9 | 10 | £30 |

It means, up to 8 additional bags, each additional bag will cost £20 and 9th and 10th additional bag will cost £30 each. If the clients wants to purchase 9 additional bags then the total amount will be 8\*20+ 1\*30 = £190.

1. For each meal, the full meal descriptions is returned in Disclosures list
2. If a customer has already purchased paid meal for the flight segment, ServiceList response will still return paid meal services available for the flight segment for the customer. However paid meal cannot be purchased until the customer cancels an already purchased paid meal for the flight segment.
3. If a customer is getting his own wheelchair, BA mandates that wheelchair meet maximum dimension size for the wheelchair. These dimensions are returned in ServiceList response as L: 140, D: 85, H: 152 all in cms (centimeters) and L denotes length of the wheelchair, D denotes depth of the wheelchair, and H denotes height of the wheelchair. It also returns maximum allowed weight, which is 250 kilos (kilograms)
4. If a customer has already purchased a seat for the flight segment then ServiceList will not return seat prices for that flight segment instead it will return a warning message “Other seat options may be available for flight <flight number> please invoke SeatAvailability to get more seating options”.

# Appendix 1 –Web Services error responses

## ServiceList error/ineligibility checks

|  |  |
| --- | --- |
| PADIS Error Code | PADIS Error Text |
| 304 | System Temporarily unavailable |

# 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 |