

# Altea NDC

## 21.3 Starter Kit

SHP4 - Shop and order a flight for multiple types of passengers (PTC/FQTV) with additional services (seat + ancillary)

# Index

|   |                                         |   |
|---|-----------------------------------------|---|
| 1 | Use case.....                           | 3 |
| 2 | Steps.....                              | 4 |
| 3 | Analysis.....                           | 5 |
| 4 | Order reflected in the Airline PSS..... | 9 |

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## 1 Use case

SHP4: Shop and order a flight for multiple types of passengers (PTC/FQTV) with additional services (seat + ancillary).

**Description:**

This use case illustrates the creation of an order for 2 passengers, one ADT and one CHD, for a single air segment, with one ancillary service for the adult and one seat for each of the passengers, using a loyalty program.

## 2 Steps

### NDC flow & description:

AirShoppingRQ: Seller requests flight offers to airline providing origin, destination and date, seller specifies the number of passengers, their Passenger Type Code and FQTV details.

AirShoppingRS: Airline replies with different flight offers.

ServiceListRQ: Seller requests the catalogue of ancillary services related to the flight.

ServiceListRS: Airline responds with the Ancillary services catalog and prices if any.

SeatAvailabilityRQ: Seller requests for Seats on a selected flight offer, seller optionally specifies which passenger(s)/flight(s) the seat request should be for

SeatAvailabilityRS: Airline responds with seat map and a la carte seat offers.

OfferPriceRQ: Seller requests the selection of flight offer with seat service and ancillary adding in input:

- Selected offer from the AirShoppingRS:

<OfferRefID>SP1F-1453253502069433306-1</OfferRefID>

- One OfferItemID from the ServiceListRS:

<OfferItemRefID>SP1F-1453253502069433306-1-65</OfferItemRefID>

- Two OfferItemIDs from the SeatAvailabilityRS:

<OfferItemRefID>QVktU0VHNI1QQVgxLUVVUi05LjAwLTkuMDAtMC4wMC1SUVNULUEtMEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</OfferItemRefID> with the row 23, column A

<OfferItemRefID>QVktU0VHNI1QQVgxLUVVUi05LjAwLTkuMDAtMC4wMC1SUVNULUEtMEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</OfferItemRefID> with the row 22, column F

OfferPriceRS: Airline responds with a unified priced offer with selected flight service, ancillary and seat services.

OrderCreateRQ: Seller requests creation of the order with the selected priced offer

OrderViewRS: Airlines responds with the created order.

### 3 Analysis

All shared information can be retrieved in “AmadeusAlteaNDC\_Shared21.3” Implementation Guide

#### AirShoppingRQ:

Seller requests flight offers to airline providing origin, destination, travel dates and travelling passengers. On top, for this specific use case, the seller adds the loyalty program account number.

#### AirShoppingRS:

Airline replies with all travel solution recommendations they would like to propose to the seller considering the loyalty program account number when applicable.

**Transition:** *In this step, and in order to move to the next one, the seller needs to select the OfferID for which he wants to add a service. Let's take SP1F-1453253502069433306-1 as an example.*

#### ServiceListRQ:

The seller requests the catalogue of ancillary services related to the flight. The function is used to request a catalogue of Ancillary (chargeable) and free Services. The seller needs to input the OfferID for which he requests an Ancillary, and the passenger(s) for who he requests the Ancillary:

```
<cns:OfferID>SP1F-1453253502069433306-1</cns:OfferID>
and
<cns:PaxRefID>PAX1</cns:PaxRefID> in our example.
```

#### ServiceListRS:

The airline responds with the Ancillary services catalog and prices if any.

#### SeatAvailabilityRQ:

The seller requests the seats 'characteristics information for the selected flight offer.

#### SeatAvailabilityRS:

The airline replies with the full seats' characteristics information and its price points when applicable for the seller to be able to build its own seatmap.

**Transition:** *At this stage, the seller adds in input seat(s) selected.*

- The seat number and the seat column are available in the *seatmap* section.
- The OfferItem and the prices are available in the *ALaCarteOffer* section.

In this use case, the seller selects:

```
<OfferItemRefID>QVktU0VHNI1QQVgxLUVVUi05LjAwLTkuMDAtMC4wMC1SUVNULUEt
MEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</OfferItemRefID> with the row 23, column A
<OfferItemRefID>QVktU0VHNI1QQVgxLUVVUi05LjAwLTkuMDAtMC4wMC1SUVNULUEt
MEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</OfferItemRefID> with the row 22, column
```

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## OfferPriceRQ:

The OfferPrice request allows the user to refine the price of the offer selected from AirShoppingRS for the “AIR” part, from ServiceList for the ancillary part and from SeatAvailabilityRS for the seat part. On top of OfferID selected, the seller adds in input the passenger concerned as well as the seats selected (row & column reference).

```
<SelectedOfferList>
  <SelectedOffer>
    <OfferRefID>SP1F-1453253502069433306-1</OfferRefID>
    <OwnerCode>6X</OwnerCode>
    <SelectedOfferItem>
      <OfferItemRefID>SP1F-1453253502069433306-1-1</OfferItemRefID>
      <PaxRefID>PAX1</PaxRefID>
      <PaxRefID>PAX2</PaxRefID>

    </SelectedOfferItem>
    <SelectedOfferItem>
      <OfferItemRefID>SP1F-1453253502069433306-1-65</OfferItemRefID>
      <PaxRefID>PAX1</PaxRefID>
    </SelectedOfferItem>
    <SelectedOfferItem>
      <OfferItemRefID>QVktU0VHNi1QQVgxLUVVU05LjAwLTkuMDAtMC4wMC1SUVNULUEt
      MEI1LVdJTkRPyBTRUFULUdST1VQU0Et</OfferItemRefID>
      <PaxRefID>PAX2</PaxRefID>
      <SelectedSeat>
        <ColumnID>A</ColumnID>
        <SeatRowNumber>23</SeatRowNumber>
      </SelectedSeat>
    </SelectedOfferItem>
    <SelectedOfferItem>
      <OfferItemRefID>QVktU0VHNi1QQVgxLUVVU05LjAwLTkuMDAtMC4wMC1SUVNULUEt
      MEI1LVdJTkRPyBTRUFULUdST1VQU0Et</OfferItemRefID>
      <PaxRefID>PAX1</PaxRefID>
      <SelectedSeat>
        <ColumnID>F</ColumnID>
        <SeatRowNumber>22</SeatRowNumber>
      </SelectedSeat>
    </SelectedOfferItem>
  </SelectedOffer>
</SelectedOfferList>
```

## OfferPriceRS:

The OfferPriceRS returns the full price details of the selected OfferID, including the base amount, the tax breakdown and the total amount.

**Transition:** To finalize the prime booking flow, the seller will need to provide mandatory information to convert the offer to an order.

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## OrderCreateRQ:

The seller must input:

- OfferItemIDs selected with the seat row and column references as per below example.
- Passenger's contact details of the passengers (Refer to SHP1 Use case)
- Passengers' name & title (Refer to SHP1 Use case)
- Method of payment (for instant payment) (Refer to SHP1 Use case)

```
<cns:AcceptSelectedQuotedOfferList>
  <cns:SelectedPricedOffer>
    <cns:OfferRefID>SP1F-1453253502069433306-1</cns:OfferRefID>
    <cns:OwnerCode>6X</cns:OwnerCode>
    <cns:SelectedOfferItem>
      <cns:OfferItemRefID>SP1F-1453253502069433306-1-1</cns:OfferItemRefID>
      <cns:PaxRefID>PAX1</cns:PaxRefID>
      <cns:PaxRefID>PAX2</cns:PaxRefID>
    </cns:SelectedOfferItem>
    <cns:SelectedOfferItem>
      <cns:OfferItemRefID>SP1F-1453253502069433306-1-65</cns:OfferItemRefID>
      <cns:PaxRefID>PAX1</cns:PaxRefID>
    </cns:SelectedOfferItem>
    <cns:SelectedOfferItem>
      <cns:OfferItemRefID>QVktU0VHNi1QQVgxLUVVUj05LjAwLTkuMDAtMC4wMC1SUvNULUEt
      MEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</cns:OfferItemRefID>
      <cns:PaxRefID>PAX2</cns:PaxRefID>
      <cns:SelectedSeat>
        <cns:ColumnID>A</cns:ColumnID>
        <cns:SeatRowNumber>23</cns:SeatRowNumber>
      </cns:SelectedSeat>
    </cns:SelectedOfferItem>
    <cns:SelectedOfferItem>
      <cns:OfferItemRefID>QVktU0VHNi1QQVgxLUVVUj05LjAwLTkuMDAtMC4wMC1SUvNULUEt
      MEI1LVdJTkrPVyBTRUFULUdST1VQU0Et</cns:OfferItemRefID>
      <cns:PaxRefID>PAX1</cns:PaxRefID>
      <cns:SelectedSeat>
        <cns:ColumnID>F</cns:ColumnID>
        <cns:SeatRowNumber>22</cns:SeatRowNumber>
      </cns:SelectedSeat>
    </cns:SelectedOfferItem>
  </cns:SelectedPricedOffer>
</cns:AcceptSelectedQuotedOfferList>
```

## OrderViewRS:

This is the response sent for an OrderCreateRQ. In the OrderViewRS, the seller can see:

- *the order created:*  
 <ns2:OrderID>6X172LSJ6UU00</ns2:OrderID>
- *the 4 OrderItems created:*
  - one for the Air part: 6X172LSJ6UU00\_AIR-1
  - one for the Seat part: 6X172LSJ6UU00\_SRV22
  - one for the Seat part: 6X172LSJ6UU00\_SRV25
  - one for the Ancillary part: 6X172LSJ6UU00\_SRV13



- ***TicketDocInfo*** with ticketing information such as ticket number, coupon status.... (Refer to SHP1 Use case)
- ***PaymentFunctions*** with form of payment used and the amount paid. (Refer to SHP1 Use case)



## 4 Order reflected in the Airline PSS

Here below the PNR created in the Airline PSS corresponding to the OrderID:

<ns2:OrderID>**6X172LSJ6UU00**</ns2:OrderID>

```

RP/ PAR6X07ST/ PAR6X07ST          WS/SU  21JUL23/0801Z  LSJ6UU
PAR6X07ST/9973WS/21JUL23
 1.BASICTEST/BILL MR(ADT/08DEC86)
 2.WAYNE/PETER MR(CHD/08DEC19)
 3  6X 961 Z 15AUG 2 HELCPH HK2  2145      2230 2310    *1A/E*
 4 APB +33066523568922/P1
 5 APE AA-DESSEE@MAIL.COM/P1
 6 APE CA-DESSEE@MAIL.COM/P1
 7 APH +33066523568923/P1
 8 APM +330929464935/P1
 9 APM +330929464931
10 APN 6X/M+3585012345677/EN/P1
11 APN 6X/E+NDC-NDC@XXX.COM/EN/P1
12 TK PAX OK21JUL/ PAR6X07ST//ET6X/S3/P1
13 TK OK21JUL/ PAR6X07ST//ET6X
14 /SSR RQST 6X HK2 HELCPH/22FN,P1/23AN,P2/S3    SEE RTSTR
15 SSR CHLD 6X HK1 08DEC19/P2
16 /SSR PDBG 6X HK1/S3/P1
17 SSR DOCS 6X HK1 P/GBR/0123456789/GBR/08DEC86/M/13AUG29/BASIC
    TEST/BILL/P1
18 SSR DOCS 6X HK1 P/GBR/0123456789/GBR/08DEC19/M/13AUG29/WAYNE
    /PETER/P2
19 SSR CTCM 6X HK1 3585012345677/EN/P1
20 SSR CTCE 6X HK1 AA./DESSEE//MAIL.COM/P1
21 SSR CTCE 6X HK1 CA./DESSEE//MAIL.COM/P1
22 SSR CTCM 6X HK1 330929464935/P1
23 SSR CTCM 6X HK2 330929464931/P1-2
24 SSR CTCE 6X HK1 NDC./NDC//XXX.COM/EN/
25 *SSR FQTV 6X HK/ 6X676549553/PLUS-6000/P1
26 SK NDCS 6X IN-23272325/
27 SK NDCA 6X AG-1A
28 SK NDCF 6X FLEX_STANDARD
29 SK NDOI 6X
30 SK NDCL 6X -NDCLINK
31 SK NDCO 6X 6X172LSJ6UU00
32 SK PWST 6X HK1 WINDOW/S3/P1
33 SK PWST 6X HK1 WINDOW/S3/P2
34 SK ESLI 6X HK1 ECONOMY SUPERLIGHT/S3/P1
35 SK ESLI 6X HK1 ECONOMY SUPERLIGHT/S3/P2
36 RM I AM BATMAN/P1
37 FA PAX 172-2476924426/ET6X/EUR87.77/21JUL23/ PAR6X07ST/204068
    53/S3/P1
38 FA PAX 172-2476924427/ET6X/EUR70.77/21JUL23/ PAR6X07ST/204068
    53/S3/P2
39 FA PAX 172-4050025684/DT6X/EUR24.00/21JUL23/ PAR6X07ST/204068
    53/P1/E16
40 FA PAX 172-4050025685/DT6X/EUR9.00/21JUL23/ PAR6X07ST/2040685
    3/P1/E14
41 FA PAX 172-4050025686/DT6X/EUR9.00/21JUL23/ PAR6X07ST/2040685
    3/P2/E14
42 FB PAX 0000000000 TTP/ET/RT OK ETICKET ADVISE PSGR TO BRING
    PICT ID AT APT/S3/P1
43 FB PAX 0000000001 TTP/ET/RT OK ETICKET ADVISE PSGR TO BRING

```

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Page 9 of 10

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```
      PICT ID AT APT/S3/P2
44 FB PAX 0000000000 TTM/M1-3/RT OK EMD ADVISE PSGR TO BRING
      FOID/PICT ID AT APT/P1/E16
45 FB PAX 0000000001 TTM/M1-3/RT OK EMD ADVISE PSGR TO BRING
      FOID/PICT ID AT APT/P1/E14
46 FB PAX 0000000002 TTM/M1-3/RT OK EMD ADVISE PSGR TO BRING
      FOID/PICT ID AT APT/P2/E14
47 FE PAX NO BAG INCL/NONREF-NO CHNG/S3/P1
48 FE PAX NO BAG INCL/NONREF-NO CHNG/S3/P2
49 FP PAX CASH/EUR87.77/S3/P1
50 FP PAX CASH/EUR70.77/S3/P2
51 FV PAX *F*6X/S3/P1
52 FV PAX *F*6X/S3/P2
53 FZ RA23272325
```