

# Altea NDC

## 21.3 Starter Kit

ORD1 - Add a seat for a single passenger.

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## 1 Use case

This use case illustrates a seller retrieving passenger's order to add a seat.

## 2 Steps

OrderRetrieveRQ: Seller requests retrieval of selected OrderID.

OrderViewRS: Airline provides the most recent version of the Order.

SeatAvailabilityRQ: Seller requests for Seats on the flight already included in the Order.

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

OrderQuoteRQ: Seller requests quote for the selected seat.

OrderReshopRS: Airline responds with quoted offer.

OrderChangeRQ: Seller selects the quoted offer (seat).

OrderViewRS: Airline responds with the creation of new OrderItem within the existing Order.

## 3 Analysis

All shared information such as DistributionChainLink can be retrieved in "AmadeusAlteaNDC\_Shared21.3" Implementation Guide

The Prime Booking flow has been performed as per use case "SHP1: Shop and order a flight for a single passenger."

The seller would like to add a seat after the Order's creation.

### OrderRetrieveRQ:

The seller requests the retrieval of the Order previously created by adding in input the Order ID.

Passenger' name may be required depending on partners' configuration.

*As per IATA recommendation OrderRetrieveRQ is always the first step of any post sales scenario.*

Example:

```
<cns:OrderValidationFilterCriteria>
  <cns:OrderFilterCriteria>
    <cns:OrderID>6X172LONPAJ00</cns:OrderID>
    <cns:OwnerCode>6X</cns:OwnerCode>
  </cns:OrderFilterCriteria>
  <cns:PaxFilterCriteria>
    <cns:Individual>
      <cns:Surname>Wayne</cns:Surname>
    </cns:Individual>
  </cns:PaxFilterCriteria>
</cns:OrderValidationFilterCriteria>
```

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## OrderViewRS:

As a response to OrderRetrieveRQ, the seller can see in OrderViewRS:

- **OrderID** that has been retrieved:  
<ns2:OrderID>6X172LONPAJ00</ns2:OrderID>  
and some information related to it such as the price
- **TicketDocInfo** with ticketing information such as ticket number, coupon status...
- **PaymentFunctions** with form of payment used and the amount paid.

## SeatAvailabilityRQ:

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

The OrderID needs to be added in input of the request.

In the example below, the request is made for all the passengers.

```
<cns:SeatAvailCoreRequest>
  <cns:OrderRequest>
    <cns:Order>
      <cns:OrderID>6X172LONPAJ00</cns:OrderID>
      <cns:OrderItem>
        <cns:OrderItemID>6X172LONPAJ00_AIR-1</cns:OrderItemID>
        <cns:OwnerCode>6X</cns:OwnerCode>
      </cns:OrderItem>
      <cns:OwnerCode>6X</cns:OwnerCode>
    </cns:Order>
  </cns:OrderRequest>
</cns:SeatAvailCoreRequest>
```

## SeatAvailabilityRS:

Airline replies with the full seats' characteristics information and its price 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:

```
<cns:OfferItemRefID>QVktU0VHMS1QQVgyLUdCUC03LjcwLTcuNzAtMC4wMC1SUVNUL
UEtMEI1LVdJTKRPVybTRUFULUdST1VQU0Et</cns:OfferItemRefID>
```

XML extract can be found in SHP3 use case & ORD01 logs

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## OrderQuoteRQ:

The OrderQuote request allows the user to refine the price of the offer selected from SeatAvailabilityRS

- Existing OrderID impacted.
- OfferItem of the selected seat.

```
<cns:ExistingOrder>
  <cns:OrderID>6X172LONPAJ00</cns:OrderID>
  <cns:OwnerCode>6X</cns:OwnerCode>
</cns:ExistingOrder>
<cns:SelectedOffers>
  <cns:OfferRefID>SEAT_OFFER</cns:OfferRefID>
  <cns:OwnerCode>6X</cns:OwnerCode>
  <cns:SelectedOfferItem>
    <cns:OfferItemRefID>QVktU0VHMS1QQVgyLUdCUC03LjcwLTcuNzAtMC4wMC1SUVNULUEtMEI1LVdJTkRPVyBTRUFULUdST1VQU0Et</cns:OfferItemRefID>
    <cns:PaxRefID>PAX2</cns:PaxRefID>
  </cns:SelectedOfferItem>
</cns:SelectedOffers>
```

## OrderReshopRS:

The OrderReshopRS returns the full price details of the selected OfferID, here a seat.

```
<ns2:AlaCarteOffer>
  <ns2:OfferID>SEAT_OFFER</ns2:OfferID>
  <ns2:OfferItem>
    <ns2:Eligibility>
      <ns2:OfferFlightAssociations>
        <ns2:PaxSegmentReferences>
          <ns2:PaxSegmentRefID>SEG1</ns2:PaxSegmentRefID>
        </ns2:PaxSegmentReferences>
      </ns2:OfferFlightAssociations>
      <ns2:PaxRefID>PAX2</ns2:PaxRefID>
    </ns2:Eligibility>
    <ns2:OfferItemID>QVktU0VHMS1QQVgyLUdCUC03LjcwLTcuNzAtMC4wMC1SUVNULUEtMEI1LVdJTkRPVyBTRUFULUdST1VQU0Et</ns2:OfferItemID>
  <ns2:Service>
    <ns2:ServiceDefinitionRefID>SRV1</ns2:ServiceDefinitionRefID>
    <ns2:ServiceID>1</ns2:ServiceID>
  </ns2:Service>
  <ns2:UnitPrice>
    <ns2:BaseAmount CurCode="GBP">7.70</ns2:BaseAmount>
    <ns2:TaxSummary>
      <ns2:TotalTaxAmount CurCode="GBP">0.00</ns2:TotalTaxAmount>
    </ns2:TaxSummary>
    <ns2:TotalAmount CurCode="GBP">7.70</ns2:TotalAmount>
  </ns2:UnitPrice>
</ns2:OfferItem>
<ns2:OwnerCode>6X</ns2:OwnerCode>
<ns2:TotalPrice>
  <ns2:BaseAmount CurCode="GBP">7.70</ns2:BaseAmount>
  <ns2:TaxSummary>
    <ns2:TotalTaxAmount CurCode="GBP">0.00</ns2:TotalTaxAmount>
  </ns2:TaxSummary>
  <ns2:TotalAmount CurCode="GBP">7.70</ns2:TotalAmount>
</ns2:TotalPrice>
```

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## OrderChangeRQ:

To confirm the selection of the seat, the seller must input:

- Existing OrderID impacted.
- OfferItemID of the selected seat
- Passenger's reference
- Method of payment

```
<cns:ChangeOrderChoice>
  <cns:AcceptSelectedQuotedOfferList>
    <cns:SelectedPricedOffer>
      <cns:OfferRefID>SEAT_OFFER</cns:OfferRefID>
      <cns:OwnerCode>6X</cns:OwnerCode>
      <cns:SelectedOfferItem>

<cns:OfferItemRefID>QVktU0VHMS1QQVgyLUdCUC03LjcwLTcuNzAtMC4wMC1SUVNU
LUEtMEI1LVdJTkRPVyBTRUFULUdST1VQU0Et</cns:OfferItemRefID>
      <cns:PaxRefID>PAX2</cns:PaxRefID>
      <cns:SelectedSeat>
        <cns:ColumnID>F</cns:ColumnID>
        <cns:SeatRowNumber>6</cns:SeatRowNumber>
      </cns:SelectedSeat>
    </cns:SelectedOfferItem>
  </cns:SelectedPricedOffer>
</cns:AcceptSelectedQuotedOfferList>
</cns:ChangeOrderChoice>
<cns:Order>
  <cns:OrderID>6X172LONPAJ00</cns:OrderID>
  <cns:OwnerCode>6X</cns:OwnerCode>
</cns:Order>
```

XML extract can be found in SHP3 use case & ORD01 logs

## OrderViewRS:

The OrderViewRS is the response of the OrderChangeRQ returning for this use case:

- *OrderItemID* that has been created for the seat  
**<ns2:OrderItemID>6X172LONPAJ00\_SRV46</ns2:OrderItemID>**
- *TicketDocInfo* with the EMD number issue for the seat

```
<ns2:Ticket>
  <ns2:ConnectedDocNumber>1722476925490</ns2:ConnectedDocNumber>
  <ns2:Coupon>
    <ns2:ConnectedCouponNumber>1</ns2:ConnectedCouponNumber>
    <ns2:CouponNumber>1</ns2:CouponNumber>
    <ns2:CouponStatusCode>I</ns2:CouponStatusCode>
    <ns2:RFIC>A</ns2:RFIC>
    <ns2:RFISC>OB5</ns2:RFISC>
    <ns2:ServiceRefID>SEAT432</ns2:ServiceRefID>
  </ns2:Coupon>
  <ns2:ReportingTypeCode>BSP</ns2:ReportingTypeCode>
  <ns2:TicketDocTypeCode>J</ns2:TicketDocTypeCode>
  <ns2:TicketNumber>1724050035737</ns2:TicketNumber>
</ns2:Ticket>
```

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- *PaymentFunctions* with form of payment used and the amount paid.

```
<ns4:PaymentFunctions>
  <ns2:OrderAssociation>
    <ns2:OrderItemRefID>6X172LONPAJ00_SRV46</ns2:OrderItemRefID>
    <ns2:OrderRefID>6X172LONPAJ00</ns2:OrderRefID>
  </ns2:OrderAssociation>
  <ns2:PaymentProcessingSummary>
    <ns2:Amount CurCode="GBP">7.70</ns2:Amount>
    <ns2:PaymentID>PAY2</ns2:PaymentID>
    <ns2:PaymentProcessingSummaryPaymentMethod>
      <ns2:SettlementPlan>
        <ns2:IATA_Number>23272325</ns2:IATA_Number>
        <ns2:PaymentTypeCode>CASH</ns2:PaymentTypeCode>
      </ns2:SettlementPlan>
    </ns2:PaymentProcessingSummaryPaymentMethod>
    <ns2:SurchargeAmount>0</ns2:SurchargeAmount>
  </ns2:PaymentProcessingSummary>
</ns4:PaymentFunctions>
```

## 4 Order reflected in the Airline PSS

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

```
<ns2:OrderID>6X172LONPAJ00</ns2:OrderID>
```

```
RP/LON6X07ST/LON6X07ST          WS/SU  20JUL23/1607Z  LONPAJ
1.  ORDONE/ORDONE MR (ADT/08DEC86)
2.  6X 961 Z 15AUG 2 HELCPH HK1  2145    2230 2310    *1A/E*
3.  APB +33066523568922
4.  APE AA-DESSEE@MAIL.COM
5.  APE CA-DESSEE@MAIL.COM
6.  APH +33066523568923
7.  APM +330929464935
8.  APM +330929464931
9.  APN 6X/E+NTF-DESSEE@MAIL.COM/FR
10. TK OK20JUL/LON6X07ST//ET6X
11. /SSR RQST 6X HK1 HELCPH/06FN,P1/S2    SEE RTSTR
12. SSR CTCE 6X HK1 NTF./DESSEE//MAIL.COM/FR
13. SSR DOCS 6X HK1 P/GBR/0123456789/GBR/08DEC86/M/13AUG29/ORDONE/
ORDONE
14. SSR CTCE 6X HK1 AA./DESSEE//MAIL.COM
15. SSR CTCE 6X HK1 CA./DESSEE//MAIL.COM
16. SSR CTCM 6X HK1 330929464935
17. SSR CTCM 6X HK1 330929464931
18. SK NDCS 6X IN-23272325/
19. SK NDCA 6X AG-1A
20. SK NDCF 6X FLEX_STANDARD
21. SK NDOI 6X
22. SK NDCL 6X -NDCLINK
23. SK NDCO 6X 6X172LONPAJ00
```

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24 SK PWST 6X HK1 WINDOW/S2  
25 SK ESLI 6X HK1 ECONOMY SUPERLIGHT/S2  
26 RM I AM BATMAN  
27 FA PAX 172-2476925490/ET6X/EUR87.77/20JUL23/LON6X07ST/91406884/S2  
28 FA PAX 172-4050035737/DT6X/GBP7.70/20JUL23/LON6X07ST/91406884/E11  
29 FB PAX 0000000000 TTP/ET/RT OK ETICKET ADVISE PSGR TO BRINGPICT ID  
AT APT/S2  
30 FB PAX 0000000000 TTM/M1/RT OK EMD ADVISE PSGR TO BRING FOID/PICT  
ID AT APT/E11  
31 FE PAX NO BAG INCL/NONREF-NO CHNG/S2  
32 FP PAX CASH/EUR87.77/S2  
33 FV PAX \*F\*6X/S2  
34 FZ RA23272325  
35 AB DESSEE/ROUTE LINE 1/ROUTE LINE 2/PARIS//06600/FR  
36 AM ORDONE ORDONE MR/ROUTE LINE 1/ROUTE LINE 2/PARIS/06600//FR