

## 21.3 Advanced use cases

Credit Card fees in prime booking

## Description

This use case illustrates an order with 3 passengers with credit card payment with OB fees.

## Steps

NDC flow & description:

AirShoppingRQ: Seller requests an itinerary for 3 passengers.

AirShoppingRS: Airline responds with the travel solutions.

OfferPriceRQ: Seller requests the price of a selected offer including CC OB fees.

OfferPriceRS: Airline responds the price of a selected offer including CC OB fees.

OrderCreateRQ: Seller selects the priced offer.

OrderViewRS: Airline responds with the created order.

## Analysis

**AirShoppingRQ**: Seller requests flight offers to airline providing origin, destination, travel dates and travelling passenger's type.

**AirShoppingRS**: Airline replies with all travel solution recommendations they would like to propose to the seller.

**Transition**: In this step, and in order to move to the next one, the seller needs to select the OfferID. Let's take 1F2AYZ\_XKRTBRcnAMaz1Sw6MaaW0zd43bh2 as an example.

**OfferPriceRQ**: The OfferPrice request allows the user to refine the price of the offer selected from AirShoppingRS for the "AIR" part and to compute the amount of card OB fees applicable. On top of OfferID selected, the seller adds in input some of the passenger card's information.

```

<Request>
  <PaymentFunctions>
    <PaymentMethodCriteria>
      <PaymentBrandCode>VI</PaymentBrandCode>
      <PaymentCriteriaAddlInfo>
        <PaymentCardCriteriaAddlInfo>
          <IIN_IINNumber>414720</IIN_IINNumber>
        </PaymentCardCriteriaAddlInfo>
      </PaymentCriteriaAddlInfo>
      <PaymentTypeCode>CC</PaymentTypeCode>
    </PaymentMethodCriteria>
  </PaymentFunctions>
  <PricedOffer>
    <SelectedOfferList>
      <SelectedOffer>
        <OfferRefID>1F2AYZ_XKRTBRcnAMaz1Sw6MaaW0zd43bh2</OfferRefID>
        <OwnerCode>6X</OwnerCode>
        <SelectedOfferItem>
          <OfferItemRefID>1F2AYZ_XKRTBRcnAMaz1Sw6MaaW0zd43bh2-
1</OfferItemRefID>
          <PaxRefID>PAX1</PaxRefID>
          <PaxRefID>PAX2</PaxRefID>
          <PaxRefID>PAX3</PaxRefID>
        </SelectedOfferItem>
      </SelectedOffer>
    </SelectedOfferList>
  </PricedOffer>
</Request>

```

Code Block 1 Offerprice request

Note : The field IIN\_IINNumber contain the 6 first numbers of the passenger card number. This card has to be the same at orderCreate time.

## OfferPriceRS:

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

The card OB fee breakdown is returned in the  
/IATA\_OfferPriceRS/Response/PricedOffer/OfferItem/FareDetail/Price.

```

<FareDetail>
  <...>
</FareComponent>
<PaxRefID>PAX1</PaxRefID>
<PaxRefID>PAX2</PaxRefID>
<PaxRefID>PAX3</PaxRefID>
<Price>
  <BaseAmount CurCode="EUR">261.00</BaseAmount>
  <Fee>
    <Amount CurCode="EUR">5.74</Amount>
    <DescText>Credit Card OB fees</DescText>
    <DesigText>FCA</DesigText>
    <RefundInd>>false</RefundInd>
  </Fee>
  <TaxSummary>
    <Tax>
      <AddlTaxCode>AP</AddlTaxCode>
      <Amount CurCode="EUR">5.71</Amount>
      <TaxCode>DQ</TaxCode>
    </Tax>
    <Tax>
      <AddlTaxCode>DP</AddlTaxCode>
      <Amount CurCode="EUR">11.11</Amount>
      <TaxCode>FI</TaxCode>
    </Tax>
    <Tax>
      <AddlTaxCode>AV</AddlTaxCode>
      <Amount CurCode="EUR">0.90</Amount>
      <TaxCode>XU</TaxCode>
    </Tax>
    <Tax>
      <AddlTaxCode>AD</AddlTaxCode>
      <Amount CurCode="EUR">6.86</Amount>
      <TaxCode>YA</TaxCode>
    </Tax>
    <Tax>
      <AddlTaxCode>AV</AddlTaxCode>
      <Amount CurCode="EUR">1.85</Amount>
      <TaxCode>PZ</TaxCode>
    </Tax>
    <TotalTaxAmount
CurCode="EUR">26.43</TotalTaxAmount>
  </TaxSummary>
  <TotalAmount
CurCode="EUR">293.17</TotalAmount>
  </Price>
</FareDetail>

```

## Code Block 2 FareDetail section

As the FareDetail are returned per passenger type, all fee amount are returned per passenger type. The card OB fees are included in /IATA\_OfferPriceRS/Response/PricedOffer/OfferItem/FareDetail/Price/TotalAmount.

However, the `/IATA_OfferPriceRS/Response/PricedOffer/OfferItem/Price` is computed differently.

```

    <Price>
      <BaseAmount CurCode="EUR">783.00</BaseAmount>
      <TaxSummary>
        <TotalTaxAmount
CurCode="EUR">79.29</TotalTaxAmount>
        </TaxSummary>
      <TotalAmount CurCode="EUR">862.29</TotalAmount>
    </Price>

```

Code Block 3 OfferItem/Price

The card OB fee are not included in `/IATA_OfferPriceRS/Response/PricedOffer/OfferItem/Price/TotalAmount`.

Finally, the total amount of card OB fee for the order is returned in `/IATA_OfferPriceRS/Response/PaymentFunctions`.

```

<PaymentFunctions>
  <PaymentSupportedMethod>
    <PaymentMethodAddlInfo>
      <PaymentCardAddlInfo>
        <CardTypeText>Credit card</CardTypeText>
      </PaymentCardAddlInfo>
    </PaymentMethodAddlInfo>
    <PaymentSurcharge>
      <PreciseAmount CurCode="EUR">17.22</PreciseAmount>
    </PaymentSurcharge>
    <PaymentTypeCode>CC</PaymentTypeCode>
  </PaymentSupportedMethod>
</PaymentFunctions>

```

Code Block 4 PaymentFunctions

The total amount to be paid by card for this offer need to be calculated. Two methods are possible.

- Sum of the `/FareDetail/Price/TotalAmount`
- Sum of `/OfferItem/Price/TotalAmount` and of `/PaymentFunctions/PaymentSupportedMethod/PaymentSurcharge/PreciseAmount`

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

## OrderCreateRQ:

The seller must provide the following information in 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)

In addition if the seller wants to pay the order, the card info of the passenger need to be in the input

```

<PaymentFunctions>
  <PaymentProcessingDetails>
    <Amount CurCode="EUR">879.51</Amount>
    <PaymentMethod>
      <PaymentCard>
        <CardBrandCode>VI</CardBrandCode>
        <CardholderAddress>
          <CityName>New York City</CityName>
          <CountryCode>US</CountryCode>
          <CountrySubDivisionName>NEW
YORK</CountrySubDivisionName>
          <PostalCode>NY 10001</PostalCode>
          <StreetText>350 FIFTH AVENUE</StreetText>
          <StreetText>350b FIFTH AVENUE</StreetText>
        </CardholderAddress>
        <CardHolderName>Dessee</CardHolderName>
        <CardNumber>4147209999990008</CardNumber>
        <CardSecurityCode>123</CardSecurityCode>
        <ExpirationDate>1230</ExpirationDate>
      </PaymentCard>
    </PaymentMethod>
  </PaymentProcessingDetails>
</PaymentFunctions>

```

Code Block 5 OrderCreateRQ PaymentFunctions

## OrderViewRS:

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

- the order created
- the fee breakdown

The fee breakdown follow a similar logic like previously .

The full breakdown is displayed per PTC in  
 /IATA\_OrderViewRS/Response/Order/OrderItem/FareDetail/Price and are included in  
 /IATA\_OrderViewRS/Response/Order/OrderItem/FareDetail[2]/Price/TotalAmount

```

    <FareDetail>
      <...>
      <PaxRefID>PAX1</PaxRefID>
      <PaxRefID>PAX2</PaxRefID>
      <PaxRefID>PAX3</PaxRefID>
      <Price>
        <BaseAmount CurCode="EUR">261.00</BaseAmount>
        <Fee>
          <Amount CurCode="EUR">5.74</Amount>
          <DescText>Credit Card OB fees</DescText>
          <DesigText>FCA</DesigText>
          <RefundInd>>false</RefundInd>
        </Fee>
        <TaxSummary>
          <Tax>
            <AddlTaxCode>AP</AddlTaxCode>
            <Amount CurCode="EUR">5.71</Amount>
            <TaxCode>DQ</TaxCode>
          </Tax>
          <Tax>
            <AddlTaxCode>DP</AddlTaxCode>
            <Amount CurCode="EUR">11.11</Amount>
            <TaxCode>FI</TaxCode>
          </Tax>
          <Tax>
            <AddlTaxCode>AV</AddlTaxCode>
            <Amount CurCode="EUR">0.90</Amount>
            <TaxCode>XU</TaxCode>
          </Tax>
          <Tax>
            <AddlTaxCode>AD</AddlTaxCode>
            <Amount CurCode="EUR">6.86</Amount>
            <TaxCode>YA</TaxCode>
          </Tax>
          <Tax>
            <AddlTaxCode>AV</AddlTaxCode>
            <Amount CurCode="EUR">1.85</Amount>
            <TaxCode>PZ</TaxCode>
          </Tax>
          <TotalTaxAmount
CurCode="EUR">26.43</TotalTaxAmount>
        </TaxSummary>
        <TotalAmount
CurCode="EUR">293.17</TotalAmount>
      </Price>
    </FareDetail>
  
```

Code Block 6 FareDetail section

However they are not included in /IATA\_OrderViewRS/Response/Order/OrderItem/Price

```

<Price>
  <BaseAmount CurCode="EUR">783.00</BaseAmount>
  <TaxSummary>
    <Tax>
      <Amount CurCode="EUR">33.33</Amount>
      <TaxCode>FI</TaxCode>
    </Tax>
    <Tax>
      <Amount CurCode="EUR">20.58</Amount>
      <TaxCode>YA</TaxCode>
    </Tax>
    <Tax>
      <Amount CurCode="EUR">5.55</Amount>
      <TaxCode>PZ</TaxCode>
    </Tax>
    <Tax>
      <Amount CurCode="EUR">2.70</Amount>
      <TaxCode>XU</TaxCode>
    </Tax>
    <Tax>
      <Amount CurCode="EUR">17.13</Amount>
      <TaxCode>DQ</TaxCode>
    </Tax>
    <TotalTaxAmount CurCode="EUR">79.29</TotalTaxAmount>
  </TaxSummary>
  <TotalAmount CurCode="EUR">862.29</TotalAmount>
</Price>

```

Code Block 7 OrderItem/Price

They are not included either in /IATA\_OrderViewRS/Response/Order/TotalPrice

```

<TotalPrice>
  <BaseAmount CurCode="EUR">783.00</BaseAmount>
  <TaxSummary>
    <TotalTaxAmount CurCode="EUR">79.29</TotalTaxAmount>
  </TaxSummary>
  <TotalAmount CurCode="EUR">862.29</TotalAmount>
</TotalPrice>

```

Code Block 8 Order/TotalPrice

**Finally**, the total amount of card OB fee for the order is returned in /IATA\_OrderViewRS/PaymentFunctions/PaymentSupportedMethod

```
<PaymentFunctions>
  <OrderAssociation>
    <OrderItemRefID>6X172WTA8LT00_AIR-1-2</OrderItemRefID>
    <OrderRefID>6X172WTA8LT00</OrderRefID>
  </OrderAssociation>
  <PaymentSupportedMethod>
    <PaymentMethodAddlInfo>
      <PaymentCardAddlInfo>
        <CardTypeText>Credit card</CardTypeText>
      </PaymentCardAddlInfo>
    </PaymentMethodAddlInfo>
    <PaymentSurcharge>
      <PreciseAmount CurCode="EUR">17.22</PreciseAmount>
    </PaymentSurcharge>
    <PaymentTypeCode>CC</PaymentTypeCode>
  </PaymentSupportedMethod>
</PaymentFunctions>
```

Code Block 9 OrderViewRS PaymentFunctions UNPAID

```

<PaymentFunctions>
  <OrderAssociation>
    <OrderItemRefID>6X172WTA8LT00_AIR-1-2</OrderItemRefID>
    <OrderRefID>6X172WTA8LT00</OrderRefID>
  </OrderAssociation>
  <PaymentProcessingSummary>
    <Amount CurCode="EUR">879.51</Amount>
    <PaymentID>PAY1</PaymentID>
    <PaymentProcessingSummaryPaymentMethod>
      <PaymentCard>
        <CardBrandCode>VI</CardBrandCode>
        <CardholderAddress>
          <CityName>New York City</CityName>
          <CountryCode>US</CountryCode>
          <CountrySubDivisionName>NEW
YORK</CountrySubDivisionName>
          <PostalCode>NY 10001</PostalCode>
          <StreetText>350 FIFTH AVENUE</StreetText>
          <StreetText>350b FIFTH AVENUE</StreetText>
        </CardholderAddress>
        <CardHolderName>Dessee</CardHolderName>
        <ExpirationDate>1230</ExpirationDate>
        <MaskedCardID>XXXXXXXXXXXX0008</MaskedCardID>
      </PaymentCard>
    </PaymentProcessingSummaryPaymentMethod>
    <PaymentStatusCode>SUCCESSFUL</PaymentStatusCode>
    <SurchargeAmount CurCode="EUR">17.22</SurchargeAmount>
  </PaymentProcessingSummary>
  <PaymentSupportedMethod>
    <PaymentMethodAddlInfo>
      <PaymentCardAddlInfo>
        <CardTypeText>Credit card</CardTypeText>
      </PaymentCardAddlInfo>
    </PaymentMethodAddlInfo>
    <PaymentSurcharge>
      <PreciseAmount CurCode="EUR">17.22</PreciseAmount>
    </PaymentSurcharge>
    <PaymentTypeCode>CC</PaymentTypeCode>
  </PaymentSupportedMethod>
</PaymentFunctions>

```

Code Block 10 OrderViewRS PaymentFunctions PAID

Note : In the unpaid case, the card OB fee could be remove before payment during the post booking flow