

NDC AirShopping 18.1

Web Services Implementation Guide

Amadeus Altea New Distribution Capability

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1 Interface Overview

1.1 Short Description

AirShopping verb is called at the beginning of the shopping flow to retrieve the offers associated to an origin and destination pair with fixed dates.

The offers include a flight solution together with the ancillary services.

1.2 Current Scope

The AirShopping verb is used to search for flight solutions.

The search can be performed for fixed dates.

considered in the scope of current Altea NDC release:

- Mono and Multi passenger Itineraries
- One-Way and Round-Trip Flights
- Upsell requests
- Airline marketed and operated flights, along with interline partner solutions, depending on the Altea NDC configuration
- Ancillary Services.
- Account code in AirshoppingRQ supported
- Negotiated fares in AirshoppingRQ supported
- OWD mode in AirshoppingRQ supported, prices split per bound expected. OWD mode requires specific set up.
- Calendar request supported - the ability to search for a range of dates

1.3 Out of scope

List the limitations of the verb.

Not supported:

- OWC mode
- Open Jaws - request with two bounds where origin and destination are not the same point in both directions. Such requests would be rejected.
- Complex Itinerary - request with more than 2 bounds
- Round trip would be considered just in case airport code of the departure is matched to the airport code of the arrival. If codes are not the same even in case these are airports of the same city then this journey would be considered as Open Jaw and might be rejected depending on the allowance of the airline to perform Open Jaw requests.
- Group PTC - the ability to request availability for more than 9 passengers
- Dual Flow - possibility to make simultaneous upsell and calendar request

Following functionalities are not supported in Calendar request:

- Ancillary Services

1.4 Prerequisites

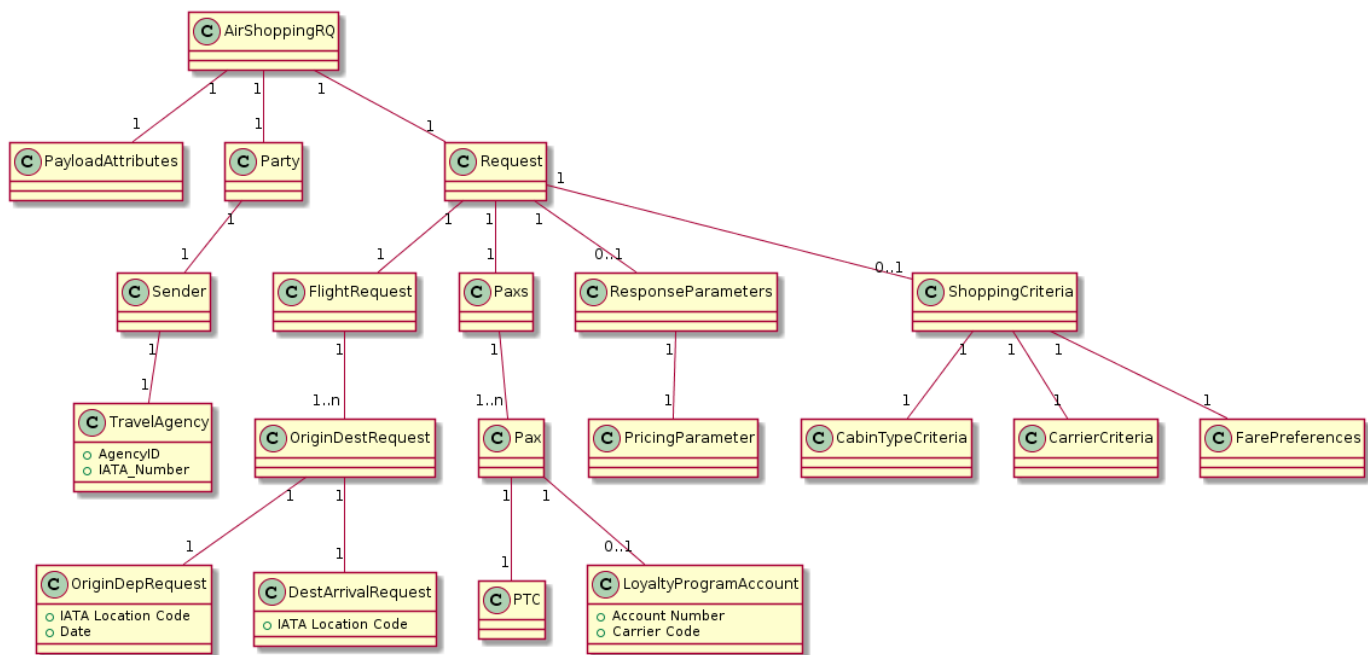
- Altea NDC functionalities shall be activated for the targeted airline
- The required Ancillary services must be filed in Amadeus database via Farexpert or synchronized from ATPCo fillings
- The Ancillary Services prices filed in ATPCo must be coherent client's Fare Families.
- AAAS shall be activated for the targeted airline
- The required FareFamilies must filed in Amadeus database via Farexpert or synchronized from ATPCo fillings
- The Airshopping request is received with valid XML format (defined in XSD)

2 Building a Query

2.1 Functional Description

AirShopping request message provides information driving the search, specifying the core query and options.

Class diagram describing the *AirShoppingRQ* xml:



2.2 Implementation

This section describes the implementation of the input message.

2.2.1 Payload Attributes

| Designation | Repetition | Status | Location | Comments |
|-----------------|------------|--------|--|---|
| Message version | 1 | M | /AirShoppingRQ/PayloadAttributes/Version | Set to the NDC schema version to which the message complies to. |

```

<AirShoppingRQ>
  <PayloadAttributes>
    <Version>18.1</Version>
  </PayloadAttributes>
</AirShoppingRQ>

```

2.2.2 Party

NDC Message/ Transaction Party(s) information.

| Party Designation | Repetition | Status | Location | Comments |
|-------------------|------------|--------|-----------------------------------|---|
| Party | 1 | M | AirShoppingRQ/Party # | |
| IATA number | 0..1 | O | #/Sender/TravelAgency/IATA_Number | 8-digit IATA number. Used for revenue attribution. Ex: 12345678 |
| AgencyID | 1 | M | #/Sender/TravelAgency/AgencyID | 9-character Travel Agency ID. Ex: AAAYY1234. |

Note: Any other information entered in the party element will be ignored.

Example:

```

<Party>
  <Sender>
    <TravelAgency>
      <IATA_Number>12345678</IATA_Number>
      <AgencyID>NCE6X0100</AgencyID>
    </TravelAgency>
  </Sender>
</Party>

```

2.2.3 Passengers

This structure provides the information on how many travellers of a given PTC are to be considered for the search.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|----------|---|
| Passengers | 0..1 | O | /Paxs(#) | List of Passengers. If not present, one ADT is considered by default. |
| Passenger | 1..14 | M | #/Pax | Each Passenger has a separate element. |

| | | | | |
|--------------------------------|------|---|---|--|
| Passenger ID | 1 | M | #/Pax/PaxID | Uniquely identifies a Passenger. |
| Passenger type | 0..1 | O | #/Pax/PTC | Describes the type of the passenger. Possible values are: ADT, CHD, INF. When not present, one ADT is considered by default. |
| Loyalty Program Account | 0..1 | O | #/Pax/LoyaltyProgramAccount | Describes the Loyalty Program of the passenger. |
| Loyalty Program Account number | 0..1 | O | #/Pax/LoyaltyProgramAccount/Accountnumber | Describes the identifier of the Loyalty Program Account of the passenger. |
| Loyalty Program Provider | 0..1 | O | #/Pax/LoyaltyProgramAccount/Carrier | Describes the airline which provides the Loyalty Program to the passenger. |

```

<Paxs>
  <Pax>
    <PaxID>ADT1</PaxID>
    <PTC>ADT</PTC>
  </Pax>
  <Pax>
    <PaxID>ADT2</PaxID>
    <PTC>ADT</PTC>
    <LoyaltyProgramAccount>
      <AccountNumber>loyal123</AccountNumber>
      <Carrier>
        <AirlineDesigCode>6X</AirlineDesigCode>
      </Carrier>
    </LoyaltyProgramAccount>
  </Pax>
  <Pax>
    <PaxID>INF1</PaxID>
    <PTC>INF</PTC>
  </Pax>
</Paxs>

```

Default behavior: If no passenger information is provided, the system considers 1 adult by default.

Limitations: The number of passenger is limited to 9, it can be mix of adult and children. AirShopping only accept one traveler with loyalty program information.

Infants can not be requested with no presence of adult. The number of infants can not exceed the total number of adults. The maximum number of infants supported is 5.

2.2.4 Origin & Destination

This section describes on which itinerary (from/to which location) and dates the client is looking for travel solutions.

The departure/arrival location can be either Airport code or City code. If Airport code is requested, the searching focuses on the specific search. However, if City code is requested, the system searches among all available airports of the city. Both are located in the same field.

On top of the specific departure date, the client can specify a date range, by defining how many days before and days after is he willing to travel. The maximum date range the user is able to request is +/-7 days (date range equals to 15 days) for OneWay and +/-3 days (date range equals to 7 days) for each bound in RoundTrip requests.

| Designation | Repetition | Status | Location | Comments |
|-----------------------|------------|--------|--|--|
| OriginDestinations | 1..2 | M | /FlightRequest/OriginDestRequest(#) | List of Origin and Destinations. |
| Origin Location | 1 | M | #/OriginDepRequest/IATA_LocationCode | Indicates the origin location. |
| Origin Date | 1 | M | #/OriginDepRequest/Date | Indicates the departure date of the origin. |
| Arrival Location | 1 | M | #/DestAriRequest/IATA_LocationCode | Indicates the destination location. |
| Number of days before | 1 | O | #/CalendarDateRequest/DaysBeforeNumber | Date flexibility. Defines maximum how many days before the specified departure date is the traveler willing to travel. |
| Number of days after | 1 | O | #/CalendarDateRequest/DaysAfterNumber | Date flexibility. Defines maximum how many days after the specified departure |

date is the traveler willing to travel.

```
<FlightRequest>
  <OriginDestRequest>
    <DestArrivalRequest>
      <IATA_LocationCode>JFK</IATA_LocationCode>
      <Date>2016-10-10</Date>
    </DestArrivalRequest>
    <OriginDepRequest>
      <IATA_LocationCode>CDG</IATA_LocationCode>
    </OriginDepRequest>
  </OriginDestRequest>
</FlightRequest>
```

```
<FlightRequest>
  <OriginDestRequest>
    <DestArrivalRequest>
      <IATA_LocationCode>JFK</IATA_LocationCode>
      <Date>2016-10-10</Date>
    </DestArrivalRequest>
    <OriginDepRequest>
      <IATA_LocationCode>CDG</IATA_LocationCode>
      <CalendarDateRequest>
        <DaysBeforeNumber>3</DaysBeforeNumber>
        <DaysAfterNumber>3</DaysAfterNumber>
      </CalendarDateRequest>
    </OriginDepRequest>
  </OriginDestRequest>
</FlightRequest>
```

2.2.5 Response Parameters

2.2.5.1 Currency

Currency processed in central system is by default decided by the Point of Sale (POS) corresponding to the requested Office ID. Client is able to override the default currency with a specific one when it is required.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|--|---|
| Currency | 0..1 | O | /ResponseParametersType/PricingParameter/OverrideCurrencyCode/ | Currency code to be applied during shopping process, such as USD, EUR, etc. |

```
<ResponseParameters>
  <PricingParameter>
```

```

        <OverrideCurCode>USD</OverrideCurCode>
    </PricingParameter>
</ResponseParameters>

```

2.2.6 Shopping Criteria

2.2.6.1 CabinPreferences & FarePreferences

Either CabinPreferences or FarePreferences must be requested via input in order to target a dedicated CFF (Commercial Fare Family), which is a set of Fare Families. The system can accept up to 6 CFFs.

It is not supposed to request both in the same input. If so, the FarePreferences will be ignored and only CabinPreferences is taken into account.

- CabinPreferences: One or several Cabins can be specified in the request. A list of Commercial Fare Families (CFF) will be matched to the requested cabin according to Cabin-CFF mapping confirmed by the airline. Thus, all the Fare Families defined for the requested CFF will be targeted in the process.

-> The total number of mapped CFF must not exceed 6.

- FarePreferences: One or several CFFs can be requested per input via FarePreferences. This limit is controlled by a fare search parameter, which is usually set to 6 by default.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|---|---|--|
| Cabin | 1..2 | M(Can't be requested with CFF in the same time) | /ShoppingCriteria/CabinTypeCriteria/CabinTypeName | Cabin Name such as ECO, BUS, etc. to target different sets of fare families. |
| CFF | 1..6 | M(Can't be requested with Cabin in the same time) | /ShoppingCriteria/FarePreferences/FareCodes/Code/Code | CFF code such as CFFECO, CFFFLEX etc. to target different fare families. In case of multiple CFF, they must be separated by space. |

```

<ShoppingCriteria>
  <CabinTypeCriteria>
    <CabinTypeName>ECO</CabinTypeName>
  </CabinTypeCriteria>
  <CabinTypeCriteria>
    <CabinTypeName>BUS</CabinTypeName>
  </CabinTypeCriteria>
</ShoppingCriteria>

```

```

<FarePreferences>
  <FareCodes>
    <Code>NDCSEATW</Code>
  </FareCodes>
</FarePreferences>

```

2.2.6.2 Corporate Account Code

Corporate account code (aka Corporate code) can be sent in request in order to search for special fares provided only for certain corporate members. Corporate code is applied on the whole request.

| Designation | Repetition | Status | Location | Comments |
|-------------------------|------------|--------|--|---|
| ProgramCriteria | 0..1 | O | /ShoppingCriteria/ProgramCriteria/ProgramAccount (#) | |
| Corporate code | 0..6 | O | #/AccountID | Corporate code is alphanumeric. It is used to search for special fares provided only for certain corporate members. |
| Corporate program owner | 0..1 | O | #/ProgramOwner/Carrier/AirlineDesigCode | Indicates the owner airline of the corporate code. |

```

<ns:ProgramCriteria>
  <ns:ProgramAccount>
    <ns:AccountID>000001</ns:AccountID>
  </ns:ProgramAccount>
  <ns:ProgramAccount>
    <ns:AccountID>000002</ns:AccountID>
  </ns:ProgramAccount>
  <ns:ProgramOwner>
    <ns:Carrier>

```

```

        <ns:AirlineDesigCode>6X</ns:AirlineDesigCode>
    </ns:Carrier>
</ns:ProgramOwner>
</ns:ProgramCriteria>

```

3 Receiving a Reply

3.1 Upsell Reply

3.1.1 Functional Description

AirShopping response provides a description of the available offers satisfying the search criteria with fixed dates.

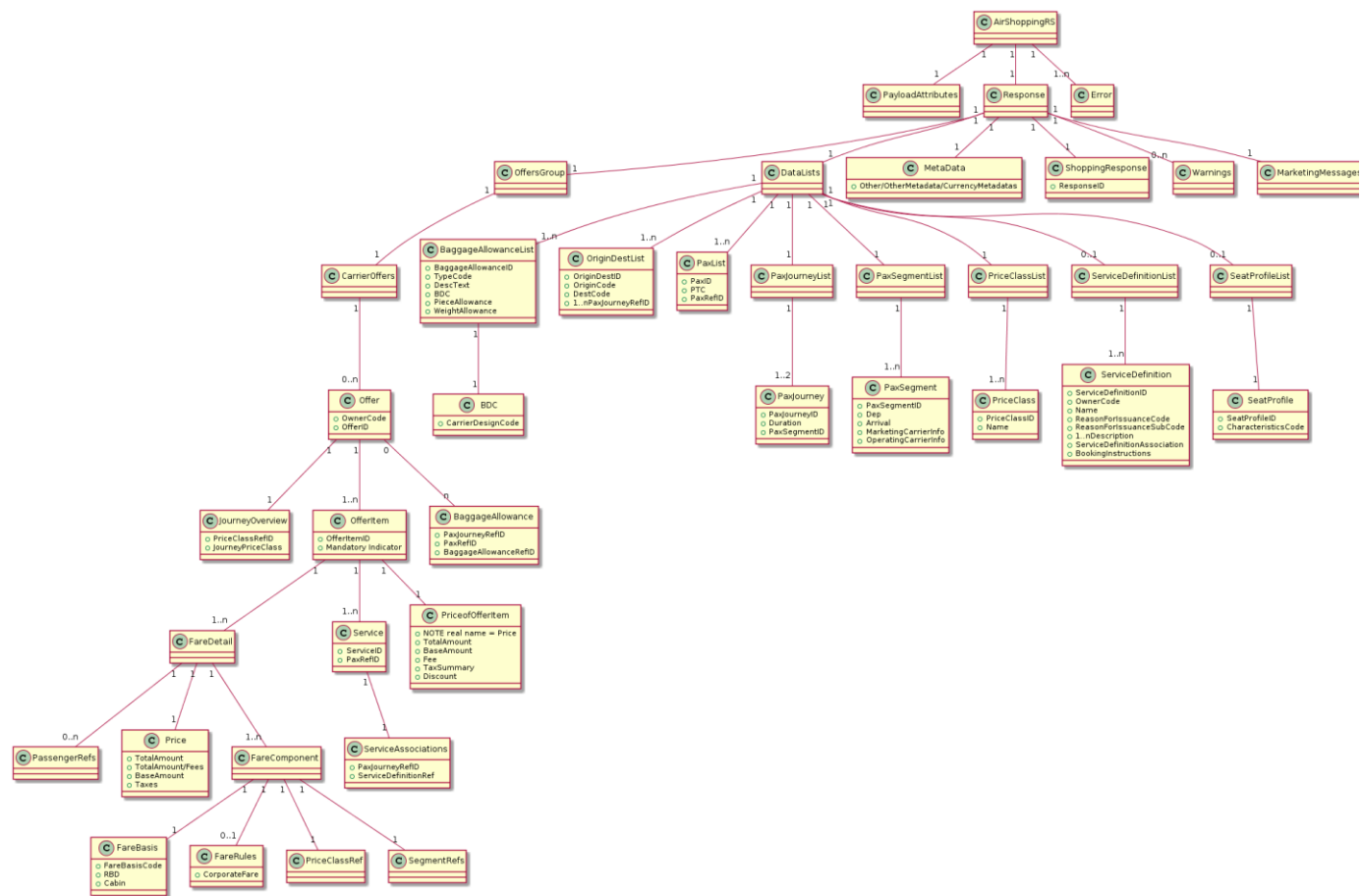
AirShopping provides the following information:

- priced offers

with chargeable and non-chargeable ancillary services

- data lists which contain precise data about offer elements

Class diagram describing the *AirShoppingRS* xml:



3.1.2 Implementation

This section describes the implementation of the output message based on the NDC schema version 16.1.

3.1.2.1 Payload Attributes

| Designation | Repetition | Status | Location | Comments |
|-----------------|------------|--------|--|---|
| Message version | 1 | M | /AirShoppingRS/PayloadAttributes/Version | Set to the NDC schema version to which the message complies to. |

```
<AirShoppingRQ>
  <PayloadAttributes>
    <Version>18.1</Version>
  </PayloadAttributes>
</AirShoppingRQ>
```

3.1.2.2 Warnings

Used to convey warning messages in success cases.

| Designation | Repetition | Status | Location | Comments |
|------------------|------------|--------|---|-----------------------------------|
| Warning | 0..N | O | AirShoppingRS/Response/Warnings/Warning | One warning element per warning |
| Warning Code | 0..1 | O | /Warning@Code | Example: 710 |
| Warning DescText | 0..1 | O | /Warning/@DescText | Example: SSR FQTV ADDITION FAILED |
| Warning Language | 0..1 | O | /Warning/@Language | Example: EN |
| Warning TagText | 0..1 | O | /Warning/@TagText | Example: PAX11 |
| Warning Type | 0..1 | O | /Warning/@TypeCode | Example: W |

```
<Warning>911
  <ns2:DescText>SSR FQTV ADDITION FAILED</DescText>
  <LanguageCode>EN</LanguageCode>
  <TagText>[PAX11]</TagText>
  <TypeCode>W</TypeCode>
</Warning>
```

3.1.2.3 Errors

Presence of the Errors element indicates an error state.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|----------|----------|
|-------------|------------|--------|----------|----------|

| | | | | |
|----------------|------|---|---------------------------|--|
| Error | 1..N | O | AirShoppingRS/Error/Error | One error element per error |
| Error Code | 0..1 | O | /Error/@Code | Example: 710 |
| Error DescText | 0..1 | O | /Error/@DescText | Example: NOT AVAILABLE AND WAITLIST CLOSED |
| Error Language | 0..1 | O | /Error/@Language | Example: EN |
| Error Type | 0..1 | O | /Error/@TypeCode | Example: E |

```

<Error>
  < Code>911< /Code>
  <DescText>NOT AVAILABLE AND WAITLIST CLOSED</DescText>
  <LanguageCode>EN</LanguageCode>
  <TypeCode>E</TypeCode>
</Error>

```

3.1.2.4 OffersGroup

Offer is the root of each solution that an end-user can buy, linking together the flights, travelers, services and price breakdown.

Each Offer consists of Offer Item(s), which are the atomic items with prices that the end-user can buy. The Offer contains at least one Offer Item, the Air Item, depicting the travel solution (flight & fare)

with potentially included ancillary services. Optional Offer Item(s), Ancillary Item(s), may be present if chargeable services can be bought optionally with the travel solution. The travel solution is described in the first offer item.

Offer items that has item id larger than 1 are ancillary services items corresponding to ancillary sub-codes coming from AirShopping request.

A list of Offers is returned in the response, with an OfferID attached to each of them. Each one is returned with associated Journey information. Each Offer contains one mandatory item (Air Item) and may contain some optional items (Ancillary Item). Those offer items are explained separately in sub-sections.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|--|---|
| Offer | 1 | M | AirShoppingRS/Response/OffersGroup/CarrierOffers | |
| Offer | 0..n | M | AirShoppingRS/Response/OffersGroup/CarrierOffers/Offer/(#) | Here locates the Offers available for the request |

| | | | | |
|------------------|------|---|---|--|
| Number of Offers | 1 | M | AirShoppingRS/Response/OffersGroup/CarrierOffers/CarrierOffersSummary/MatchedOfferQty | The total number of Offers in the list |
| Offer ID | 1 | M | #/OfferID | Unique ID assigned to the whole Offer |
| Owner Code | 1 | M | #/OwnerCode | Carrier code of the Offer owner Airline |
| Offer Item | 1..n | M | #/OfferItem | Offer Item(s) that belongs to the Offer. |

Journey overview at Offers level is different for ITI and OWD mode.

| Designation | Repetition | Status | Location | Comments |
|-------------------------------|------------|--------|---|--|
| ITI mode | | | | |
| Fare Family Code (short name) | 1 | M | #/JourneyOverview/PriceClassRefID | Indicates the Fare Family applied at itinerary level |
| Journey per bound | 1..2 | M | #/JourneyOverview/JourneyPriceClass | One JourneyPriceClass per bound |
| Journey reference of bound | 1 | M | #/JourneyOverview/JourneyPriceClass/PaxJourneyRefID | Indicates the bound reference. |
| OWD mode | | | | |
| Fare Family Code (short name) | 1 | M | #/JourneyOverview/PriceClassRefID | Indicates the Fare Family applied at itinerary level |

| | | | | |
|---------------------------------------|------|---|---|---|
| Journey per bound | 1..2 | M | #/JourneyOverview/JourneyPriceClass | One JourneyPriceClass per bound |
| Journey reference of bound | 1 | M | #/JourneyOverview/JourneyPriceClass/PaxJourneyRefID | Indicates the bound reference. |
| Fare Family Code (short name)of bound | 0..1 | O | #/JourneyOverview/JourneyPriceClass/PriceClassRefID | Indicates the Fare Family applied to the bound. |

Example - ITI mode:

```

<OffersGroup>
  <CarrierOffers>
    <Offer>
      <OfferID>SULL-8095596499897810501-4</OfferID>
      <OwnerCode>6X</OwnerCode>
      <JourneyOverview>
        <PriceClassRefID>BUSFLEX</PriceClassRefID>
        <JourneyPriceClass>
          <PaxJourneyRefID>FLT1</PaxJourneyRefID>
        </JourneyPriceClass>
        <JourneyPriceClass>
          <PaxJourneyRefID>FLT2</PaxJourneyRefID>
        </JourneyPriceClass>
      </JourneyOverview>
      <OfferItem>
        ...
      </OfferItem>
      <OfferItem>
        ...
      </OfferItem>
      <OfferItem>
        ...
      </OfferItem>
    </Offer>
    <CarrierOffersSummary>
      <MatchedOfferQty>4</MatchedOfferQty>
    </CarrierOffersSummary>
  </CarrierOffers>
</OffersGroup>

```

Example - OWD mode:

```

<OffersGroup>
  <CarrierOffers>
    <Offer>
      <OfferID>SULL-8095596499897810501-4</OfferID>
      <OwnerCode>6X</OwnerCode>
      <JourneyOverview>
        <PriceClassRefID>BUSFLEX</PriceClassRefID>
        <JourneyPriceClass>
          <PaxJourneyRefID>FLT1</PaxJourneyRefID>
        </JourneyPriceClass>
      </JourneyOverview>
    </Offer>
  </CarrierOffers>
</OffersGroup>

```



```

        </JourneyPriceClass>
        <JourneyPriceClass>
<PriceClassRefID>BUSSTD</ns2:PriceClassRefID>
        <PaxJourneyRefID>FLT2</PaxJourneyRefID>
        </JourneyPriceClass>
    </JourneyOverview>
    <OfferItem>
        ...
    </OfferItem>
    <OfferItem>
        ...
    </OfferItem>
    <OfferItem>
        ...
    </OfferItem>
</Offer>
<CarrierOffersSummary>
    <MatchedOfferQty>4</MatchedOfferQty>
</CarrierOffersSummary>
</CarrierOffers>
</OffersGroup>

```

3.1.2.4.1 Air Item

This element describes all characteristics linked to the air offer. At this level total prices (with/without taxes) are displayed, including references to the flights solution, traveler type and applied Fare Family information.

The first OfferPrice element with OfferItemID always corresponds to the flight solution and must be present in each reply.

If there are chargeable ancillary services available then they will be set as separated OfferPrice elements with unique OfferItemID's, starting strictly from the second position as the first one reserved for the flights in case of V0. These elements are optional.

All non-chargeable ancillary services linked to the flights are stored as Associations under /OfferPrice/RequestedDate and they are optional as well (see "Use Case 2" from section 5).

This element contains information of Offer Item ID, Fare details, Services and Prices.

3.1.2.4.1.1 Offer Item

| Designation | Repetition | Status | Location | Comments |
|---------------------|------------|--------|--|---|
| Offer Item ID | 1 | M | Response/OffersGroup/CarrierOffers/Offer/OfferItem (#) | Unique ID that identifies the Offer Item |
| Mandatory Indicator | 1 | M | #/MandatoryInd | This describes if the Offer Item is a mandatory item or an optional item. Air Item is the mandatory |

item of
each Offer.

Example:

```
<OfferItem>
  <OfferItemID>SULL-8095596499897810501-4-1</OfferItemID>
  <MandatoryInd>true</MandatoryInd>
</OfferItem>
```

3.1.2.4.1.2 Price

Describes the total amounts of the whole Offer Item, covering **all passengers and all flights**.

| Designation | Repetition | Status | Location | Comments |
|-----------------------|------------|--------|---|---|
| Price | 1 | M | Response/OfferGroup/CarrierOffers/Offer/OfferItem/Price (#) | |
| Total price amount | 1 | M | #/TotalAmount/DetailCurrencyPrice | Total price amount of the whole Offer Item |
| Base fare amount | 1 | M | #/BaseAmount | The total amount of the base fare of the whole Offer Item |
| Discount | 1 | M | #/Discount | Discount received from AAM that is applied. |
| Pre-discounted amount | 1 | M | #/Discount/PreDiscountedAmount | The Original Price discount was applied to. |
| Description | 1 | M | #/Discount/DescText | Discount description, Example: 6XDDAPIDISC O1 -> Stands for DAPI discount. |
| Discount Context | 1 | M | #/Discount/DiscountContext | Contextual information to further describe a particular discount by using a key-value pair. |

| | | | | |
|------------------------|------|---|--|---|
| Discount Key word Text | 1 | M | #/Discount/DiscountContext/KeyWordText | Discount ID |
| Fee | 0..n | O | #/Fee | |
| Fee amount | 1 | M | #/Fee/Amount | Indicates the single fee amount. |
| Fee Description | 1 | M | #/Fee/Description | This field is a description free text today, it describes the description of the fee and its sub-code |
| Fee Designator | 1 | M | #/Fee/Designator | The fee type code, eg. OBT for Airline Ticketing Fees |
| Total taxes amount | 1 | M | #/TaxSummary/TotalTaxAmount | The total amount of the taxes of the whole Offer Item |

Example:

```

                                <Price>
<TotalAmount>175.37</TotalAmount>
<BaseAmount>40.00</BaseAmount>
                                <Discount>
<PreDiscountedAmount>195.37</PreDiscountedAmount>
<DescText>6XDDAPIDISCO1</DescText>
<DiscountContext>
<KeyWordText>Id</KeyWordText>
</DiscountContext>
                                </Discount>
                                <Fee>
<Amount>72.00</Amount>
<DescText>Description: OBFEEES Subcode: T12</DescText>
<DesigText>OBT</DesigText>
                                </Fee>
                                <TaxSummary>
<:TotalTaxAmount>63.37</TotalTaxAmount>

```

```

        </TaxSummary>
    </Price>

```

3.1.2.4.2 Fare Detail

Multiple fare details should be present in each AirShoppingRS to present the information at different levels. Fare Detail is mainly used to display fare amount detail, fare component detail, or fare amount per flight (for OWD only).

Fare Detail per Passenger

FareDetail can be associated with a passenger type in order to present fare information for different passenger type. FareDetail at passenger type level is mandatory in all kinds of response.

This FareDetail contains both PassengerRefs element and Price element.

| Designation | Repetition | Status | Location | Comments |
|----------------------------|------------|--------|---|--|
| Fare Detail | 1 | M | Response/OffersGroup/CarrierOffers/Offer/OfferItem/FareDetail (#) | |
| Passenger Reference | 1..n | M | #/PassengerRefs | Reference of the passenger corresponding to the fare detail per passenger. |
| Fare Detail Currency Price | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice | |
| Total price amount | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Total | Total price amount of the referenced passenger |
| Base fare amount | 1 | M | #/Price/BaseAmount | The total amount of the base fare of the referenced passenger |
| Fees | 1 | O | #/Price/TotalAmount/DetailCurrencyPrice/Fees | |

| | | | | |
|--------------------|------|---|--|---|
| Total fees amount | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total | Total fees amount of the referenced passenger |
| Fee breakdown | 0..1 | O | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total/Breakdown | Breakdown of fee amounts of the referenced passenger |
| Fee | 1..n | O | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total/Breakdown/Fee | Breakdown of fee amounts of the referenced passenger |
| Fee amount | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total/Breakdown/Fee/Amount | The amount of the single fee |
| Fee Designator | 0..1 | O | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total/Breakdown/Fee/Designator | The fee type code, eg. OBT for Airline Ticketing Fees |
| Fee Description | 0..1 | O | #/Price/TotalAmount/DetailCurrencyPrice/Fees/Total/Breakdown/Fee/Description | This field is a description free text today, it describes the description of the fee and its sub-code |
| Taxes | | | | |
| Taxes | 1 | M | #/Price/Taxes | |
| Total taxes amount | 1 | M | #/Price/Taxes/Total | The total amount of the taxes of the referenced passenger |

| | | | | |
|-----------------|------|---|-------------------------------------|--|
| Tax breakdown | 0..1 | O | #/Price/Taxes/Breakdown | Breakdown of tax amounts |
| Tax amount | 1 | M | #/Price/Taxes/Breakdown/Tax/Amount | The amount of the single tax |
| Tax nation code | 0..1 | O | #/Price/Taxes/Breakdown/Tax/Nation | Indicates the tax country code, eg. US, FR |
| Tax nature code | 0..1 | O | #/Price/Taxes/Breakdown/Tax/TaxCode | Indicates the tax nature code, eg. AE, GB |

Example - Fare amounts :

```

<OfferItem>
14702181392496876194-20-1</OfferItemID>
  <MandatoryInd>>true</MandatoryInd>
  <PassengerRefs>PAX1</PassengerRefs>
  <DetailCurrencyPrice>
    <Total>1664.37</Total>
  </DetailCurrencyPrice>
  <BaseAmount>1534.00</BaseAmount>
  <Total>58.37</Total>
  <Breakdown>
    <Tax>
      <Amount>5.0</Amount>
      <Nation>VB</Nation>
      <TaxCode>YR</TaxCode>
    </Tax>
    <Tax>
      <Amount>8.16</Amount>
  </Breakdown>
  <FareDetail>
    <Price>
      <TotalAmount>
      </TotalAmount>
    </Price>
    <Taxes>
  </FareDetail>
</OfferItem>

```

```
<Nation>AP</Nation>
<TaxCode>QX</TaxCode>
</Tax>
<Tax>
<Amount>1.13</Amount>
<Nation>EB</Nation>
<TaxCode>IZ</TaxCode>
</Tax>
<Tax>
<Amount>4.52</Amount>
<Nation>SE</Nation>
<TaxCode>FR</TaxCode>
</Tax>
<Tax>
<Amount>7.9</Amount>
<Nation>TI</Nation>
<TaxCode>FR</TaxCode>
</Tax>
<Tax>
<Amount>2.51</Amount>
<Nation>AE</Nation>
<TaxCode>EX</TaxCode>
</Tax>
<Tax>
<Amount>7.5</Amount>
<Nation>CO</Nation>
<TaxCode>HB</TaxCode>
</Tax>
<Tax>
<Amount>17.61</Amount>
<Nation>EB</Nation>
<TaxCode>IT</TaxCode>
</Tax>
```

```

<Tax>
<Amount>0.86</Amount>
<Nation>AD</Nation>
<TaxCode>MJ</TaxCode>
</Tax>
<Tax>
<Amount>3.18</Amount>
<Nation>SE</Nation>
<TaxCode>VT</TaxCode>
</Tax>
</Breakdown>
</Taxes>
</Price>
<FareComponent>
  <FareBasis>

<FareBasisCode>
<Code>YIF</Code>
</FareBasisCode>
<RBD>Y</RBD>
<CabinType>
<CabinTypeCode>M</CabinTypeCode>
<CabinTypeName>Economic Standard</CabinTypeName>
</CabinType>
</FareBasis>
<PriceClassRef>ECONOMY</PriceClassRef>
<SegmentRefs>SEG11</SegmentRefs>
</FareComponent>
<FareComponent>
  <FareBasis>

<FareBasisCode>
<Code>CIF</Code>
</FareBasisCode>
<RBD>C</RBD>
<CabinType>
<CabinTypeCode>C</CabinTypeCode>
<CabinTypeName>Business</CabinTypeName>
</CabinType>

```



```

</FareBasis>
<PriceClassRef>BUSINESS</PriceClassRef>
<SegmentRefs>SEG27</SegmentRefs>
</FareComponent>
</FareDetail>

```

Fare Detail per Flight

In addition to Fare Detail per Passenger, this part is returned in response when the request has been done with **OWD** mode.

This FareDetail contains only Price element.

| Designation | Repetition | Status | Location | Comments |
|--|------------|--------|--|---|
| Response/OfferGroup/CarrierOffers/Offer/OfferItem/FareDetail(#) | | | | |
| Total amount | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Total | Total amount includes all flights |
| Detail per flight | 1..n | M | #/Price/TotalAmount/DetailCurrencyPrice/Details/Detail | This element contains the flight reference and the subtotal amount with its amount description. |
| Flight reference | 1..n | M | #/Price/TotalAmount/DetailCurrencyPrice/Details/Detail@Refs | |
| Amount | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Details/Detail/SubTotal | |
| Amount description | 1 | M | #/Price/TotalAmount/DetailCurrencyPrice/Details/Detail/Description | Indicates if the amount concerned is subtotal amount, the sub-base amount or the sub-tax |

amount
for the
referred
flight.

Example - Fare Amount Detail per Flight:

```

<FareDetail>
  <Price>
    <TotalAmount>
      <DetailCurrencyPrice>
        <Total>436.48</Total>
        <Details>
          <Detail refs="FLT1">
            <SubTotal>190.98</SubTotal>
            <Application>TOTAL AMOUNT</Application>
          </Detail>
          <Detail refs="FLT1">
            <SubTotal>63.00</SubTotal>
            <Application>BASE AMOUNT</Application>
          </Detail>
          <Detail refs="FLT1">
            <SubTotal>127.98</SubTotal>
            <Application>TAX AMOUNT</Application>
          </Detail>
          <Detail refs="FLT2">
            <SubTotal>245.50</SubTotal>
            <Application>TOTAL AMOUNT</Application>
          </Detail>
          <Detail refs="FLT2">
            <SubTotal>83.00</SubTotal>
            <Application>BASE AMOUNT</Application>
          </Detail>
          <Detail refs="FLT2">
            <SubTotal>162.50</SubTotal>
            <Application>TAX AMOUNT</Application>
          </Detail>
        </Details>
      </DetailCurrencyPrice>
    </TotalAmount>
    <BaseAmount>146.00</BaseAmount>
    <Taxes>
      <Total>290.48</Total>
    </Taxes>
  </Price>
</FareDetail>

```

Fare Component Detail

Each fareDetail element can contain one fare component. Each fare component detail is associated with a passenger type.

| Designation | Repetition | Status | Location | Comments |
|----------------|------------|--------|--|----------|
| | | | Response/OfferGroup/CarrierOffers/Offer/OfferItem/FareDetail(#) | |
| Fare Component | 1..n | M | #/FareComponent | |

| | | | | |
|------------------------|------|---|--|---|
| Fare Basis Code | 1 | M | #/FareComponent/FareBasis/FareBasisCode | |
| RBD | 1 | M | #/FareComponent/FareBasis/RBD | |
| Cabin type code | 1 | M | #/FareComponent/FareBasis/CabinType/CabinTypeCode | |
| Cabin type name | 1 | M | #/FareComponent/FareBasis/CabinType/CabinTypeName | |
| Corporate account code | 0..1 | O | #/FareComponent/FareRules | |
| Corporate account code | 0..1 | O | #/FareComponent/FareRules/CorporateFare/Account code | The corporate account code which has been applied in order to return the corporate fare |
| Fare Family References | 1 | M | #/FareComponent/PriceClassRef | Reference to the relative fare family |
| Segment References | 1 | M | #/FareComponent/SegmentRefs | Reference to the relative flight segment |

Example - Fare component detail :

```

<FareDetail>
  <PassengerRefs>PAX11</PassengerRefs>
  <Price>
    <TotalAmount>
      <DetailCurrencyPrice>
        <Total>935.06</Total>
      </DetailCurrencyPrice>
    </TotalAmount>
    <BaseAmount>800.00</BaseAmount>
    <Taxes>
      <Total>48.82</Total>
    </Taxes>
  </Price>
  <FareComponent>
    <FareBasis>

```

```

        <FareBasisCode>
            <Code>JIFE</Code>
        </FareBasisCode>
        <RBD>J</RBD>
        <CabinType>
            <CabinTypeCode>C</CabinTypeCode>
            <CabinTypeName>Business</CabinTypeName>
        </CabinType>
    </FareBasis>
    <PriceClassRef>BUSFLEX</PriceClassRef>
    <SegmentRefs>SEG14</SegmentRefs>
</FareComponent>
<FareComponent>
    <FareBasis>
        <FareBasisCode>
            <Code>JIFE</Code>
        </FareBasisCode>
        <RBD>J</RBD>
        <CabinType>

            <CabinTypeCode>C</CabinTypeCode>
            <CabinTypeName>Business</CabinTypeName>
        </CabinType>
    </FareBasis>
    <PriceClassRef>BUSFLEX</PriceClassRef>
    <SegmentRefs>SEG15</SegmentRefs>
</FareComponent>
<FareComponent>
    <FareBasis>
        <FareBasisCode>
            <Code>JIFE</Code>
        </FareBasisCode>
        <RBD>J</RBD>
        <CabinType>

            <CabinTypeCode>C</CabinTypeCode>
            <CabinTypeName>Business</CabinTypeName>
        </CabinType>
    </FareBasis>
    <PriceClassRef>BUSFLEX</PriceClassRef>
    <SegmentRefs>SEG25</SegmentRefs>
</FareComponent>
<FareComponent>
    <FareBasis>
        <FareBasisCode>
            <Code>JIFE</Code>
        </FareBasisCode>
        <RBD>J</RBD>
        <CabinType>

            <CabinTypeCode>C</CabinTypeCode>
            <CabinTypeName>Business</CabinTypeName>
        </CabinType>
    </FareBasis>
    <PriceClassRef>BUSFLEX</PriceClassRef>
    <SegmentRefs>SEG26</SegmentRefs>
</FareComponent>
</FareDetail>
<FareDetail>
    <PassengerRefs>PAX1</PassengerRefs>
    <Price>
        <TotalAmount>
            <DetailCurrencyPrice>
                <Total>1201.96</Total>
            </DetailCurrencyPrice>
        </TotalAmount>
    </Price>

```

```

        <BaseAmount>1000.00</BaseAmount>
        <Taxes>
            <Total>115.72</Total>
        </Taxes>
    </Price>
    <FareComponent>
        <FareBasis>
            <FareBasisCode>
                <Code>JIFE</Code>
            </FareBasisCode>
            <RBD>J</RBD>
            <CabinType>

                <CabinTypeCode>C</CabinTypeCode>
                <CabinTypeName>Business</CabinTypeName>
            </CabinType>
        </FareBasis>
        <PriceClassRef>BUSFLEX</PriceClassRef>
        <SegmentRefs>SEG14</SegmentRefs>
    </FareComponent>
    <FareComponent>
        <FareBasis>
            <FareBasisCode>
                <Code>JIFE</Code>
            </FareBasisCode>
            <RBD>J</RBD>
            <CabinType>

                <CabinTypeCode>C</CabinTypeCode>
                <CabinTypeName>Business</CabinTypeName>
            </CabinType>
        </FareBasis>
        <PriceClassRef>BUSFLEX</PriceClassRef>
        <SegmentRefs>SEG15</SegmentRefs>
    </FareComponent>
    <FareComponent>
        <FareBasis>
            <FareBasisCode>
                <Code>JIFE</Code>
            </FareBasisCode>
            <RBD>J</RBD>
            <CabinType>

                <CabinTypeCode>C</CabinTypeCode>
                <CabinTypeName>Business</CabinTypeName>
            </CabinType>
        </FareBasis>
        <PriceClassRef>BUSFLEX</PriceClassRef>
        <SegmentRefs>SEG25</SegmentRefs>
    </FareComponent>
    <FareComponent>
        <FareBasis>
            <FareBasisCode>
                <Code>JIFE</Code>
            </FareBasisCode>
            <RBD>J</RBD>
            <CabinType>

                <CabinTypeCode>C</CabinTypeCode>
                <CabinTypeName>Business</CabinTypeName>
            </CabinType>
        </FareBasis>
        <PriceClassRef>BUSFLEX</PriceClassRef>
        <SegmentRefs>SEG26</SegmentRefs>
    </FareComponent>

```

```

    </FareComponent>
</FareDetail>

```

Example - Fare component detail with account code :

```

<FareDetail>
  <PassengerRefs>PAX1</PassengerRefs>
  <Price>
    <TotalAmount>
      <DetailCurrencyPrice>
        <Total>539.87</Total>
      </DetailCurrencyPrice>
    </TotalAmount>
    <BaseAmount>400.00</BaseAmount>
    <Taxes>
      <Total>53.63</Total>
    </Taxes>
  </Price>
  <FareComponent>
    <FareBasis>
      <FareBasisCode>
        <Code>MIFE</Code>
      </FareBasisCode>
      <RBD>M</RBD>
      <CabinType>
        <CabinTypeCode>M</CabinTypeCode>
        <CabinTypeName>Economic Standard</CabinTypeName>
      </CabinType>
    </FareBasis>
    <FareRules>
      <CorporateFare>
        <Account>000001</Account>
      </CorporateFare>
    </FareRules>
    <PriceClassRef>ECOREST</PriceClassRef>
    <SegmentRefs>SEG3</SegmentRefs>
  </FareComponent>
</FareDetail>

```

3.1.2.4.2.1 Services

Indicates information of related flight services.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|--|--|
| | | | Response/OffersGroup/CarrierOffers/Offer/OfferItem/FareDetail (#) | |
| Service | 1..n | M | #/Service | Each FareDetail may contain one or several services. |
| Service ID | 1 | M | #/Service/ServiceID | Each service has a unique |

| | | | | |
|------------------|-------|---|---|---|
| | | | | ID. Each Offer Item has at least flight services included. |
| Passenger Ref ID | 1..14 | M | #/Service/PaxRefID | Each service must be associated with at least one passenger. |
| Bound Ref ID | 1..2 | M | #/Service/ServiceAssociations/PaxJourneyRefID | Reference ID of the bound, eg. FLT1. This ID is returned for flight service only. |

In case the service concerned is an ancillary service, the following information should be found:

| Designation | Repetition | Status | Location | Comments |
|------------------|------------|--------|---------------------|--|
| Service | 1..n | M | #/Service | Each FareDetail may contain one or several services. |
| Service ID | 1 | M | #/Service/ServiceID | Each service has a unique ID. Each Offer Item has at least flight services included. |
| Passenger Ref ID | 1..14 | M | #/Service/PaxRefID | Each service must be associated |

| | | | | |
|-------------------------------------|------|---|---|---|
| | | | | ed with at least one passenger. |
| Bound Ref ID | 1..2 | M | #/Service/ServiceAssociations/PaxJourneyRefID | Reference ID of the bound, eg. FLT1. This ID is returned for flight service only. |
| Ancillary Service Definition Ref ID | 0..5 | O | #/Service/ServiceAssociations/ServiceDefinitionRef/ServiceDefinitionRefID | Reference ID of the ancillary service, eg. SEV8. |

Example - Offer Item with flight service only:

```
<Service>
  <ServiceID>1</ServiceID>
  <PaxRefID>PAX1</PaxRefID>
  <PaxRefID>PAX11</PaxRefID>
  <ServiceAssociations>
    <PaxJourneyRefID>FLT1</PaxJourneyRefID>
    <PaxJourneyRefID>FLT2</PaxJourneyRefID>
  </ServiceAssociations>
</Service>
```

Example - Offer Item with flight service and ancillary services:

```
<Service>
  <ServiceID>1</ServiceID>
  <PaxRefID>PAX1</PaxRefID>
  <PaxRefID>PAX11</PaxRefID>
  <ServiceAssociations>
    <PaxJourneyRefID>FLT1</PaxJourneyRefID>
  </ServiceAssociations>
</Service>
<Service>
  <ServiceID>2</ServiceID>
  <PaxRefID>PAX1</PaxRefID>
  <PaxRefID>PAX11</PaxRefID>
  <ServiceAssociations>
    <PaxJourneyRefID>FLT2</PaxJourneyRefID>
  </ServiceAssociations>
</Service>
<Service>
```



```

    <ServiceID>3</ServiceID>
    <PaxRefID>PAX1</PaxRefID>
    <ServiceAssociations>
      <ServiceDefinitionRef>
        <ServiceDefinitionRefID>SRV1</ServiceDefinitionRefID>
      </ServiceDefinitionRef>
    </ServiceAssociations>
  </Service>
</Service>
<Service>
  <ServiceID>4</ServiceID>
  <PaxRefID>PAX1</PaxRefID>
  <ServiceAssociations>
    <ServiceDefinitionRef>
      <ServiceDefinitionRefID>SRV8</ServiceDefinitionRefID>
    </ServiceDefinitionRef>
  </ServiceAssociations>
</Service>

```

3.1.2.4.3 Ancillary Items

All chargeable ancillary services (whose sub-code and other key information are provided in site configuration) are set in ancillary service items. Each ancillary service item has a unique Offer Item ID. Note: The price of Ancillary service here is for one adult only.

| Designation | Repetition | Status | Location | Comments |
|---------------------|------------|--------|---|--|
| Offer Item ID | 1 | M | OffersGroup/CarrierOffers/Offer/OfferItem (#) | Unique ID that identifies the Offer Item |
| Mandatory Indicator | 1 | M | #/MandatoryInd | This describes if the Offer Item is a mandatory item or an optional item. Ancillary Item is the optional item of each Offer. |
| Service | | | | |
| Passenger Reference | 1 | M | #/Service/PaxRefID | Reference of the associated passenger. |

| | | | | |
|--------------------------|------|---|---|--|
| Service Reference | 1 | M | #/Service/ServiceAssociations/ServiceDefinitionRef/ServiceDefinitionRefID | Reference of the ancillary service. Eg. SRV1 |
| Flight Segment Reference | 1..n | M | #/Service/ServiceAssociations/ServiceDefinitionRef/PaxSegmentRefID | Reference of the flight(s) covered by the ancillary service. Eg. SEG3 |
| Price | | | | |
| Service Total Amount | 1 | M | #/Price/Total Amount | |
| VAT? TBC | 1 | M | #/Price/? | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

```

<OfferItem>
  <OfferItemID>SULL-8095596499897810501-1-2</OfferItemID>
  <MandatoryInd>>false</MandatoryInd>
  <Service>
    <ServiceID>1</ServiceID>
    <PaxRefID>PAX1</PaxRefID>
    <ServiceAssociations>
      <ServiceDefinitionRef>
        <ServiceDefinitionRefID>SRV2</ServiceDefinitionRefID>
        <PaxSegmentRefID>SEG3</PaxSegmentRefID>
        <PaxSegmentRefID>SEG16</PaxSegmentRefID>
      </ServiceDefinitionRef>
    </ServiceAssociations>
  </Service>
  <Price>
    <TotalAmount>2348.32</TotalAmount>
    <Discount>
      <PreDiscountedAmount>35.94</PreDiscountedAmount>
      <DiscountContext>
        <KeywordText>Id</KeywordText>
        <ValueText>6X-84144</ValueText>
      </DiscountContext>
    </Discount>
  </Price>
</OfferItem>

```

```

        </DiscountContext>
      </Discount>
    </Price>
  </OfferItem>

```

3.1.2.5 DataLists

3.1.2.5.1 BaggageAllowanceList

This element includes all the baggage information. Based on Configuration we display either FBA (Free Baggage Allowance) or FBD (Detailed Free Baggage).

| Designation | Repetition | Status | Location | Comments |
|----------------------|------------|--------|---|--|
| BaggageAllowanceList | 1..n | M | /Response/DataLists/BaggageAllowanceList(#) | |
| BaggageAllowance | 1 | M | #/BaggageAllowance(#) | |
| BaggageAllowanceID | 1 | M | #/BaggageAllowanceID | BAG1 |
| TypeCode | 1 | M | #/TypeCode | CheckedBag |
| DescText | 1 | M | #/DescText | If FBD is configured, we get the information as either a text or an ATPCO code, but not both. Example for text: SURFBOARD UPTO50LB 23KG, Example of ATPCO Subcode: OGO |
| BDC | 1 | M | #/BDC | |
| Carrier Design Code | 1 | M | #/BDC/CarrierDesigCode | Example: LH |
| PieceAllowance | 1 | M | #/PieceAllowance | |
| ApplicablePartyText | 1 | M | #/PieceAllowance/ApplicablePartyText | Party |
| Total Quantity | 1 | M | #/PieceAllowance/TotalQty | Allowed Baggages in |

| | | | | |
|----------------------|---|---|--|--------------------------------|
| | | | | Pieces. Example: 2 |
| WeightAllowance | 1 | M | #/WeightAllowance | |
| MaximumWeightMeasure | 1 | M | #/WeightAllowance/MaximumWeightMeasure | Example: 23, unit code K |

3.1.2.5.2 O&D (Origin and Destination) List

This element represents all origins and destinations of the flights (bounds) used in the itineraries.

| Designation | Repetition | Status | Location | Comments |
|-----------------------------|------------|--------|---------------------------------------|---|
| O&D section | n | M | /Response/DataLists/OriginDestList(#) | |
| Requested Segment ID | 1 | M | #/OriginDestID | Unique ID to identify the pair of Origin and Destination. For one O&D pair NCE-PAR, there'll be 2 requested segments (aka. bound) in case of round trip, NCE->PAR and PAR->NCE. |
| Origin code | 1 | M | #/OriginCode | Departure location code of the requested segment |
| Destination code | 1 | M | #/DestCode | Arrival location code of the requested segment |
| Flight solutions references | 1..n | M | #/PaxJourneyRefID | Gives a reference on the related Flight solutions for the corresponding Requested Segment. Each flight solution can consist of one or several flight segments. Eg. FLT3 |

```

<OriginDestList>
  <OriginDest>
    <OriginDestID>HELCDG</OriginDestID>
    <OriginCode>HEL</OriginCode>
    <DestCode>CDG</DestCode>
    <PaxJourneyRefID>FLT2</PaxJourneyRefID>
    <PaxJourneyRefID>FLT4</PaxJourneyRefID>
  </OriginDest>
  <OriginDest>
    <OriginDestID>CDGHEL</OriginDestID>
    <OriginCode>CDG</OriginCode>
    <DestCode>HEL</DestCode>
  </OriginDest>
</OriginDestList>

```

```

        <PaxJourneyRefID>FLT3</PaxJourneyRefID>
        <PaxJourneyRefID>FLT1</PaxJourneyRefID>
    </OriginDest>
</OriginDestList>

```

3.1.2.5.3 Passengers

This list describes all characteristics linked to a given passenger (i.e. the PTC, the associated adult passenger).

| Designation | Repetition | Status | Location | Comments |
|--------------------------------|------------|--------|---------------------------------------|---|
| Traveler Section | NbrOfPax | | /DataLists/PaxList(#) | |
| Passenger UniqueID | 1 | M | #/PaxID | |
| PTC | 1 | M | #/PTC | |
| Linked passenger reference | 0..1 | O | #/PaxRefID | For each infant without seat, it is mandatory to display the reference of linked adult. |
| Loyalty Program Account | 0..1 | O | #/LoyaltyProgramAccount | Describes the Loyalty Program of the passenger. |
| Loyalty Program Account number | 0..1 | O | #/LoyaltyProgramAccount/Accountnumber | Describes the identifier of the Loyalty Program Account of the passenger. |
| Loyalty Program Provider | 0..1 | O | #/Pax/LoyaltyProgramAccount/Carrier | Describes the airline which provides the Loyalty Program to the passenger. |

```

<PaxList>
  <Pax>
    <PaxID>PAX1</PaxID>
    <PTC>ADT</PTC>
    <PaxRefID>PAX1</PaxRefID>
    <LoyaltyProgramAccount>
      <AccountNumber>5468035468767</AccountNumber>
      <Carrier>
        <AirlineDesigCode>6X</AirlineDesigCode>
      </Carrier>
    </LoyaltyProgramAccount>
  </Pax>
</PaxList>

```

3.1.2.5.4 Travel Solution list Per Bound

This element represents one travel solution (i.e. one bound) for the whole passenger's itinerary, including list of all intermediate flights between origin and destination.

| FlightListDesignation | Repetition | Status | Location | Comments |
|-----------------------------------|------------|--------|---|---------------------------------------|
| Flight Combination Section | 1..2 | | /DataLists/PaxJourneyList/PaxJourney(#) | |
| UniqueID of the travel solution | 0..1 | O | #/PaxJourneyID | |
| Total EFT | 0..1 | O | #/Duration | Duration Time. Example: PT9H20M |
| Flight Segment References | 1..6 | M | #/PaxSegmentID | |

```

<PaxJourneyList>
  <PaxJourney>
    <PaxJourneyID>FLT3</PaxJourneyID>
    <Duration>PT2H55M</Duration>
    <PaxSegmentRefID>SEG3</PaxSegmentRefID>
  </PaxJourney>
  <PaxJourney>
    <PaxJourneyID>FLT1</PaxJourneyID>
    <Duration>PT6H30M</Duration>
    <PaxSegmentRefID>SEG14</PaxSegmentRefID>
    <PaxSegmentRefID>SEG15</PaxSegmentRefID>
  </PaxJourney>
  <PaxJourney>
    <PaxJourneyID>FLT2</PaxJourneyID>
    <Duration>PT7H30M</Duration>
    <PaxSegmentRefID>SEG25</PaxSegmentRefID>
    <PaxSegmentRefID>SEG26</PaxSegmentRefID>
  </PaxJourney>
  <PaxJourney>
    <PaxJourneyID>FLT4</PaxJourneyID>
    <Duration>PT3H5M</Duration>
    <PaxSegmentRefID>SEG16</PaxSegmentRefID>
  </PaxJourney>
</PaxJourneyList>

```

3.1.2.5.5 Flight Segment List

This list provides information about unitary flight segments. It includes information linked to date/time/terminal for both departure and arrival locations.

| Designation | Repetition | Status | Location | Comments |
|------------------------|------------|--------|--|----------|
| Segment Section | n | M | /DataLists/PaxSegmentList/PaxSegment (#) | |
| Segment UniqueID | 1 | M | #/PaxSegmentID | |

| | | | | |
|-------------------------|------|---|---|-------------------------|
| Departure Location Code | 1 | M | #/Dep/IATA_LocationCode | |
| Departure Date and Time | 1 | M | #/Dep/AircraftScheduledDateTime | Eg. 2018-05-02T08:00:00 |
| Departure Terminal Name | 0..1 | O | #/Dep/TerminalName | |
| Arrival Location Code | 1 | M | #/Arrival/IATA_LocationCode | |
| Arrival Date and Time | 1 | M | #/Arrival/AircraftScheduledDateTime | |
| Arrival Terminal Name | 0..1 | O | #/Arrival/TerminalName | |
| Marketing Carrier Code | 1 | M | #/MarketingCarrierInfo/CarrierDesigCode | |
| Flight Number | 1 | M | #/MarketingCarrierInfo/MarketingCarrierFlightNumberText | |
| Operating Carrier | 0..1 | O | #/OperatingCarrierInfo/CarrierDesigCode | |

```

<PaxSegmentList>
  <PaxSegment>
    <PaxSegmentID>SEG25</PaxSegmentID>
    <Dep>
      <IATA_LocationCode>HEL</IATA_LocationCode>
      <AircraftScheduledDateTime>2018-05-02T08:00:00</AircraftScheduledDateTime>
    </Dep>
    <Arrival>
      <IATA_LocationCode>LHR</IATA_LocationCode>
      <AircraftScheduledDateTime>2018-05-02T09:10:00</AircraftScheduledDateTime>
    </Arrival>
    <MarketingCarrierInfo>
      <CarrierDesigCode>7X</CarrierDesigCode>
    </MarketingCarrierInfo>
    <MarketingCarrierFlightNumberText>607</MarketingCarrierFlightNumberText>
    </MarketingCarrierInfo>
    <OperatingCarrierInfo>
      <CarrierDesigCode>6X</CarrierDesigCode>
    </OperatingCarrierInfo>
  </PaxSegment>
</PaxSegmentList>

```

```

        <PaxSegmentID>SEG3</PaxSegmentID>
        <Dep>
            <IATA_LocationCode>CDG</IATA_LocationCode>
            <AircraftScheduledDateTime>2018-03-
24T15:25:00</AircraftScheduledDateTime>
        </Dep>
        <Arrival>
            <IATA_LocationCode>HEL</IATA_LocationCode>
            <AircraftScheduledDateTime>2018-03-
24T19:20:00</AircraftScheduledDateTime>
        </Arrival>
        <MarketingCarrierInfo>
            <CarrierDesigCode>6X</CarrierDesigCode>

            <MarketingCarrierFlightNumberText>3618</MarketingCarrierFlightNumberText>
        </MarketingCarrierInfo>
        <OperatingCarrierInfo>
            <CarrierDesigCode>6X</CarrierDesigCode>
        </OperatingCarrierInfo>
    </PaxSegment>
</PaxSegmentList>

```

3.1.2.5.6 Price Class List

This element contains Fare Family information.

Here you'll find the ancillary services coming from Fare Families. The data comes from FareXpert AFF or ATPCo.

| Designation | Repetition | Status | Location | Comments |
|----------------------------|------------|--------|---|------------|
| Fare Family Section | n | M | /DataLists/PriceClassList/PriceClass | (#) |
| FareFamily UniqueID | 1 | M | #/PriceClassID | |

```

<PriceClassList>
  <PriceClass>
    <PriceClassID>BIZFLAZ</PriceClassID>
  </PriceClass>
  <PriceClass>
    <PriceClassID>ECOFLEX</PriceClassID>
  </PriceClass>
</PriceClassList>

```

3.1.2.5.7 Service Definition List

This element contains information about ancillary services as well as service references used to associate the service to the offer.

| Designation | Repetition | Status | Location | Comments |
|--------------------------------|------------|--------|--|------------|
| Service Definition List | 0..1 | O | DataLists/ServiceDefinitionList | (#) |
| Service definition | 1..n | M | # /ServiceDefinition | |

| | | | | |
|---------------------------------|------|---|--|--|
| Service UniqueID | 1 | M | #/ServiceDefinition/ServiceDefinitionID | Reference of the service |
| Service Owner code | 1 | M | #/ServiceDefinition/OwnerCode | Carrier code of the service owner. Eg. 6X |
| Service Name | 1 | M | #/ServiceDefinition/Name | Commercial service name, Example: SEAT |
| Service Code | 1 | M | #/ServiceDefinition/Code | Commercial service code, Example: SIT |
| RFIC (Reason For Issuance Code) | 1 | M | #/ServiceDefinition/ReasonForIssuanceCode | IATA-defined code.Examples: <ul style="list-style-type: none"> • A (Air Transportation) • C (Baggage) • E (Airport Services) • F (Merchandise) • G (In-flight Services) |
| Service Sub-Code | 1 | M | #/ServiceDefinition/ReasonForIssuanceSubCode | Defined by the owner Airline. Ex: OCC (First Checked Bag), OB5 (Pre-reserved seat) |
| Service Description ID | 1..n | M | #/ServiceDefinition/Description/DescID | Contains different IDs of the service, such as D1 which are mandatory service information. |
| Service Description | 1..n | M | #/ServiceDefinition/Description/DescText | Contains different descriptions of the service, such as Service Group Code, Service Classification Code which are mandatory service information. |

| | | | | |
|-------------------------|------|---|---|---|
| Media ID | 0..1 | O | #/ServiceDefinition/Description/Media/MediaID | Contains the ID of the picture attached to the service. |
| Seat characteristics ID | 0..1 | O | #/ServiceDefinition/ServiceDefinitionAssociation/SeatProfileRefID | References to the characteristics codes attached to the seat service. |

```

<ServiceDefinitionList>
  <ServiceDefinition>
    <ServiceDefinitionID>SRV4</ServiceDefinitionID>
    <OwnerCode>6X</OwnerCode>
    <Name>SEAT</Name>
    <ServiceCode>SIT</ServiceCode>
    <ReasonForIssuanceCode>A</ReasonForIssuanceCode>

    <ReasonForIssuanceSubCode>0B5</ReasonForIssuanceSubCode>
    <Description>
      <DescID>D1</DescID>
      <DescText>Group: SA</DescText>
    </Description>
    <Description>
      <DescID>D1</DescID>
      <DescText>Classification: F</DescText>
    </Description>
    <Description>
      <DescID>D1</DescID>
      <DescText>Seat characteristics:
[K]</DescText>
    </Description>
    <ServiceDefinitionAssociation>
      <SeatProfileRefID>SP1</SeatProfileRefID>
    </ServiceDefinitionAssociation>
  </ServiceDefinition>
  <ServiceDefinition>
    <ServiceDefinitionID>SRV3</ServiceDefinitionID>
    <OwnerCode>6X</OwnerCode>
    <Name>SEAT</Name>
    <ServiceCode>SIT</ServiceCode>
    <ReasonForIssuanceCode>A</ReasonForIssuanceCode>

    <ReasonForIssuanceSubCode>0B5</ReasonForIssuanceSubCode>
    <Description>
      <DescID>D1</DescID>
      <DescText>Group: SA</DescText>
    </Description>
    <Description>
      <DescID>D1</DescID>
      <DescText>Classification: F</DescText>
    </Description>
    <Description>
      <DescID>D1</DescID>
      <DescText>Seat characteristics:
[CH]</DescText>
    </Description>
    <ServiceDefinitionAssociation>
      <SeatProfileRefID>SP4</SeatProfileRefID>
    </ServiceDefinitionAssociation>
  </ServiceDefinition>
</ServiceDefinitionList>

```

3.1.2.5.8 Seat Profile List

This element contains seat characteristics codes that identifies different seat profiles.

| Designation | Repetition | Status | Location | Comments |
|------------------------------|------------|--------|--|---|
| Seat Characteristics Section | 0..1 | O | /DataLists/SeatProfileList/ | Up to 5 Seat Characteristics Codes can be defined for one seat, each code set in one SeatProfile. |
| Seat Characteristics Section | 1 | M | /DataLists/SeatProfileList/SeatProfile/(#) | |
| Seat Characteristics Set ID | 1 | M | #/SeatProfileID | Reference of the set of Seat Characteristics Code(s) |
| Seat Characteristics Code(s) | 1..5 | M | #/CharacteristicCode | a seat characteristics code, eg. CH usually means for chargeable, W usually means for window seat, L for leg space etc. |

```

<SeatProfileList>
  <SeatProfile>
    <SeatProfileID>SP1</SeatProfileID>
    <CharacteristicCode>CH</CharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP3</SeatProfileID>
    <CharacteristicCode>CH O</CharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP2</SeatProfileID>
    <CharacteristicCode>K</CharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP4</SeatProfileID>
    <CharacteristicCode>L</CharacteristicCode>
  </SeatProfile>
</SeatProfileList>

```

3.1.2.6 MetaData

This element contains metadata which applies to the whole response, such currency code, etc.

| Designation | Repetition | Status | Location | Comments |
|-------------|------------|--------|----------|----------|
|-------------|------------|--------|----------|----------|

| | | | | |
|---------------|---|---|---|-------------------------|
| Currency code | 1 | M | /Metadata/Other/OtherMetadata/CurrencyMetadatas/CurrencyMetadata/Name | Example : EUR, USD, ... |
|---------------|---|---|---|-------------------------|

```

<Metadata>
  <Other>
    <OtherMetadata>
      <CurrencyMetadatas>
        <CurrencyMetadata MetadataKey="CUREUR">
          <Name>EUR</Name>
        </CurrencyMetadata>
      </CurrencyMetadatas>
    </OtherMetadata>
  </Other>
</Metadata>

```

3.1.2.7 Shopping Response ID

Each Offer ID consists of the shopping response ID and the offer index number. Shopping Response ID consists of a code including the concerned central system shopping machine code and a serial number.

| Designation | Repetition | Status | Location | Comments |
|----------------------|------------|--------|------------------------------|-----------------------------------|
| Shopping Response ID | 1 | M | /ShoppingResponse/ResponseID | Example: SULG-8429577745573965583 |

```

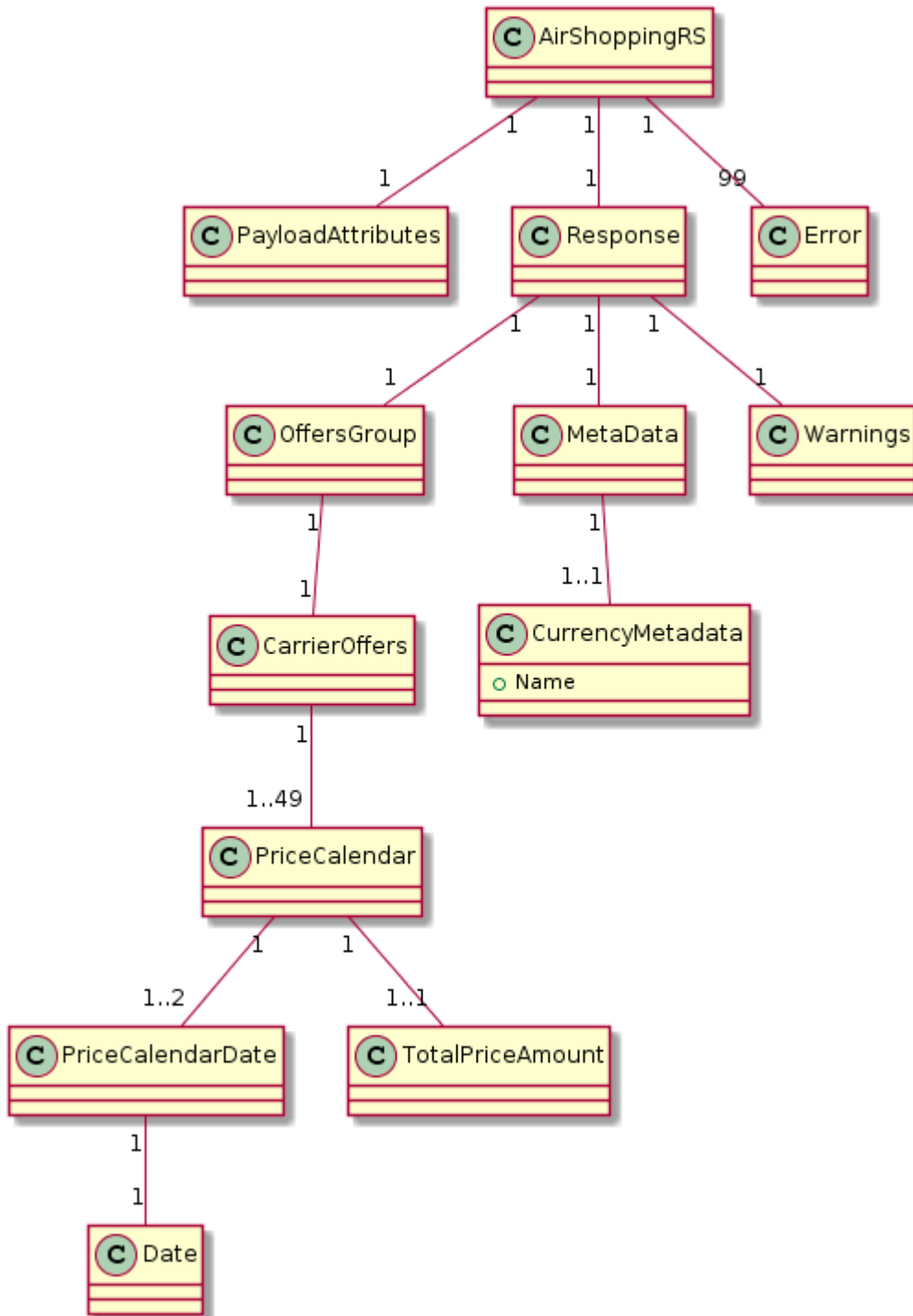
<ShoppingResponse>
  <ResponseID>SULG-8429577745573965583</ShoppingResponseID>
</ShoppingResponse>

```

3.2 Calendar Reply

3.2.1 Functional Description

AirShopping Calendar response provides a list of available prices offered for each date cell satisfying the search criteria. Class diagram describing the *AirShoppingRS* xml:



3.2.2 Implementation

This section describes the implementation of the output message based on the NDC schema version 18.1.

3.2.2.1 Payload Attributes

Please refer to section [Payload Attributes](#) for Upsell response 3.1.2.1.

3.2.2.2 Warnings

Please refer to section [Warnings](#) for Upsell response (3.1.2.2).

3.2.2.3 Errors

Please refer to section [Errors](#) for Upsell response (3.1.2.3).

3.2.2.4 OffersGroup

When shopping search is done with flexible dates, the total price of each available date combination is displayed. Calendar request supports +/-15 days maximum.

| Designation | Repetition | Status | Location | Comments |
|--------------------|------------|--------|---|---|
| Calendar cell | 1..49 | M | OffersGroup/AirlineOffers/PriceCalendar (#) | Presents an available date for one way search and an available date combination for 2 bound search. |
| Calendar date(s) | 1..2 | M | #/PriceCalendarDate/Date | Presents the date(s) of the calendar cell. |
| Total price amount | 1 | M | #/TotalPriceAmount | Presents the total price amount of the corresponding date(s) for one adult. |

```

<OffersGroup>
  <CarrierOffers>
    <PriceCalendar>
      <TotalPriceAmount>2348.32</TotalPriceAmount>
      <PriceCalendarDate>
        <Date>2018-12-24</Date>
      </PriceCalendarDate>
      <PriceCalendarDate>
        <Date>2018-12-27</Date>
      </PriceCalendarDate>
    </PriceCalendar>
  </CarrierOffers>
</OffersGroup>

```

3.2.2.5 Metadata

This element contains metadata such as currency, etc.

| Metadata Designation | Repetition | Status | Location | Comments |
|----------------------|------------|--------|---|------------------------|
| Currency Metadata | 1..n | M | /Metadata/Other/OtherMetadata/ (#) | |
| Currency code | 1 | M | #/CurrencyMetadatas/CurrencyMetadata/Name | Example: EUR, USD, ... |

```

<Metadata>
  <Other>
    <OtherMetadata>
      <CurrencyMetadatas>

```

```

        <CurrencyMetadata MetadataKey="CUREUR">
            <Name>EUR</Name>
        </CurrencyMetadata>
    </CurrencyMetadatas>
</OtherMetadata>
</Other>
</Metadata>

```

4 Troubleshooting

4.1 Input Validation Errors

User request can be rejected due to the invalid input. In this case system will return error message associated with incorrect input parameter. Here are the list of most common errors:

Error

Related to passenger information

THE MAXIMUM NUMBER OF PASSENGERS FOR THE AVAILABILITY REQUEST IS 9. PLEASE MODIFY YOUR REQUEST AND TRY AGAIN.

THE SYSTEM DOES NOT ACCEPT MORE THAN 9 PASSENGERS. PLEASE CHANGE YOUR REQUEST.

INVALID PASSENGER TYPE.

AN INFACNT CANNOT TRAVEL ALONE.

THIS PASSENGER TYPE CANNOT TRAVEL WITH AN INFANT. PLEASE ASSOCIATE THE INFANT WITH A PASSENGER OF ANY OTHER TYPE OTHER THAN CHILD.

Related to fare options

YOU SELECTED TOO MANY FARE OPTIONS. PLEASE CHOOSE BETWEEN ONE AND THREE OPTIONS.

THIS FARE OPTION IS NOT DEFINED IN OUR DATABASE. PLEASE SELECT ANOTHER OPTION.

THIS FARE OPTION IS CURRENTLY NOT AVAILABLE. PLEASE SELECT ANOTHER OPTION.

THE SELECTED TRIP TYPE CANNOT BE PROCESSED. SELECT A VALID TRIP TYPE AND TRY AGAIN.

Related to dates

THE REQUESTED DEPARTURE DATE IS TOO SOON. VALID DATES ARE ^DATA(START_RANGE_NUM) FROM NOW THROUGH THE NEXT ^DATA(END_RANGE_NUM). PLEASE MODIFY YOUR DATES AND TRY AGAIN.

WE CAN PROVIDE YOU WITH RESULTS FOR TRAVEL BETWEEN ^DATA(START_RANGE_NUM) AND ^DATA(END_RANGE_NUM). PLEASE CHANGE YOUR STAY DURATION AND TRY AGAIN.

Other reason

INVALID CURRENCY CODE. PLEASE ENTER A DIFFERENT CURRENCY CODE.

THE SELECTED DATE RANGE IS NOT POSSIBLE FOR THIS TYPE OF SEARCH. PLEASE SELECT A DATE RANGING FROM 30 DAYS EARLIER UP TO 30 DAYS.

Examples of error messages:

In case the frequent flyer number received is invalid, the system replies: FREQUENT FLYER NUMBER NOT FOUND (Code 710)

In case there's more than 1 recognized travelers, the system replies: ONLY ON RECOGNIZED TRAVELER ACCEPTED PER REQUEST(Code 710)

In case the itinerary requested is in the past, the system replies: PAST DATE/TIME NOT ALLOWED (Code 710)

In case no result are found for the requested itinerary, the system replies: NO ITINERARY FOUND FOR REQUESTED SEGMENT (Code 710)

- Invalid range of dates option. Please choose flexible dates within the calendar limit.

5 Detailed Use Cases

5.1 Use case 1

5.1.1 Use Case Description

Simple upsell request with two passengers:

- **Upsell request**
- **2 PAX ADT**
- **Round Trip**
- **ITI mode**

5.1.2 Preconditions

General prerequisites for the Airshopping transaction specified in section 1.5

5.1.3 Query

```
<AirShoppingRQ xmlns="http://www.iata.org/IATA/2015/00/2018.1/AirShoppingRQ">
  <PayloadAttributes>
    <Version>18.1</Version>
  </PayloadAttributes>
  <Party>
    <Sender>
      <EnabledSystem>
        <SystemID>token</SystemID>
      </EnabledSystem>
    </Sender>
  </Party>
  <Request>
    <FlightRequest>
      <OriginDestRequest>
```



```

        <DestArrivalRequest>
            <IATA_LocationCode>HEL</IATA_LocationCode>
        </DestArrivalRequest>
        <OriginDepRequest>
            <IATA_LocationCode>PAR</IATA_LocationCode>
            <Date>2018-10-24</Date>
        </OriginDepRequest>
    </OriginDestRequest>
    <OriginDestRequest>
        <CalendarDateRequest>
            <DaysBeforeNumber>0</DaysBeforeNumber>
            <DaysAfterNumber>0</DaysAfterNumber>
        </CalendarDateRequest>
        <OriginDepRequest>
            <IATA_LocationCode>HEL</IATA_LocationCode>
            <Date>2018-11-2</Date>
        </OriginDepRequest>
        <DestArrivalRequest>
            <IATA_LocationCode>PAR</IATA_LocationCode>
        </DestArrivalRequest>
    </OriginDestRequest>
</FlightRequest>
<Paxs>
    <Pax>
        <PaxID>ADT1</PaxID>
        <PTC>ADT</PTC>
    </Pax>
    <Pax>
        <PaxID>ADT2</PaxID>
        <PTC>ADT</PTC>
    </Pax>
</Paxs>
<ResponseParameters>
    <CurParameter>
        <CurCode>EUR</CurCode>
    </CurParameter>
</ResponseParameters>
<ShoppingCriteria>
    <CabinTypeCriteria>
        <CabinTypeName>ECO</CabinTypeName>
    </CabinTypeCriteria>
    <CarrierCriteria>
        <Carrier>
            <AirlineDesigCode>6X</AirlineDesigCode>
        </Carrier>
    </CarrierCriteria>
</ShoppingCriteria>
</Request>
</AirShoppingRQ>

```

5.1.4 Reply

```

<AirShoppingRS xmlns="http://www.iata.org/IATA/2015/00/2018.1/AirShoppingRQ"
xmlns2="http://www.iata.org/IATA/2015/00/2018.1/AirShoppingRS">
    <PayloadAttributes>
        <Version>18.1</Version>
        <CorrelationID>987456777</CorrelationID>
    </PayloadAttributes>
    <Response>
        <AirShoppingProcessing>

```

```

<MarketingMessages>
  <MarketMessage>
    <Associations>
      <OfferAssociations>
        <Flight>
          <FlightSegmentReference ref="SEG3">
            <ClassOfService>
              C
            </ClassOfService>
          </FlightSegmentReference>
          <FlightSegmentReference ref="SEG4">
            <ClassOfService>
              C
            </ClassOfService>
          </FlightSegmentReference>
          <FlightSegmentReference ref="SEG15">
            <ClassOfService>
              C
            </ClassOfService>
          </FlightSegmentReference>
          <FlightSegmentReference ref="SEG16">
            <ClassOfService>
              C
            </ClassOfService>
          </FlightSegmentReference>
        </Flight>
      </OfferAssociations>
    </Associations>
  </MarketMessage>
</MarketingMessages>
</AirShoppingProcessing>
<DataLists>
  <OriginDestList>
    <OriginDest>
      <OriginDestID>HELCDG</OriginDestID>
      <OriginCode>HEL</OriginCode>
      <DestCode>CDG</DestCode>
      <PaxJourneyRefID>FLT4</PaxJourneyRefID>
      <PaxJourneyRefID>FLT2</PaxJourneyRefID>
    </OriginDest>
    <OriginDest>
      <OriginDestID>CDGHEL</OriginDestID>
      <OriginCode>CDG</OriginCode>
      <DestCode>HEL</DestCode>
      <PaxJourneyRefID>FLT1</PaxJourneyRefID>
      <PaxJourneyRefID>FLT3</PaxJourneyRefID>
    </OriginDest>
  </OriginDestList>
  <PaxJourneyList>
    <PaxJourney>
      <PaxJourneyID>FLT4</PaxJourneyID>
      <Duration>PT3H5M0.000S</Duration>
      <PaxSegmentRefID>SEG16</PaxSegmentRefID>
    </PaxJourney>
    <PaxJourney>
      <PaxJourneyID>FLT1</PaxJourneyID>
      <Duration>PT2H55M0.000S</Duration>
      <PaxSegmentRefID>SEG3</PaxSegmentRefID>
    </PaxJourney>
    <PaxJourney>
      <PaxJourneyID>FLT3</PaxJourneyID>
      <Duration>PT2H55M0.000S</Duration>
      <PaxSegmentRefID>SEG4</PaxSegmentRefID>
    </PaxJourney>
    <PaxJourney>
      <PaxJourneyID>FLT2</PaxJourneyID>

```

```

                <Duration>PT3H5M0.000S</Duration>
                <PaxSegmentRefID>SEG15</PaxSegmentRefID>
            </PaxJourney>
        </PaxJourneyList>
    <PaxList>
        <Pax>
            <PaxID>PAX1</PaxID>
            <PTC>ADT</PTC>
        </Pax>
        <Pax>
            <PaxID>PAX2</PaxID>
            <PTC>ADT</PTC>
        </Pax>
    </PaxList>
    <PaxSegmentList>
        <PaxSegment>
            <PaxSegmentID>SEG3</PaxSegmentID>
            <Dep>
                <IATA_LocationCode>CDG</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-10-
24T15:25:00</AircraftScheduledDateTime>
            </Dep>
            <Arrival>
                <IATA_LocationCode>HEL</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-10-
24T19:20:00</AircraftScheduledDateTime>
            </Arrival>
            <MarketingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>

            <MarketingCarrierFlightNumberText>9978</MarketingCarrierFlightNumberText>
            </MarketingCarrierInfo>
            <OperatingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>
            </OperatingCarrierInfo>
        </PaxSegment>
        <PaxSegment>
            <PaxSegmentID>SEG4</PaxSegmentID>
            <Dep>
                <IATA_LocationCode>CDG</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-10-
24T15:25:00</AircraftScheduledDateTime>
            </Dep>
            <Arrival>
                <IATA_LocationCode>HEL</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-10-
24T19:20:00</AircraftScheduledDateTime>
            </Arrival>
            <MarketingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>

            <MarketingCarrierFlightNumberText>3618</MarketingCarrierFlightNumberText>
            </MarketingCarrierInfo>
            <OperatingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>
            </OperatingCarrierInfo>
        </PaxSegment>
        <PaxSegment>
            <PaxSegmentID>SEG15</PaxSegmentID>
            <Dep>
                <IATA_LocationCode>HEL</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-11-
02T07:35:00</AircraftScheduledDateTime>
            </Dep>
            <Arrival>
                <IATA_LocationCode>CDG</IATA_LocationCode>

```

```

                <AircraftScheduledDateTime>2018-11-
02T09:40:00</AircraftScheduledDateTime>
                </Arrival>
                <MarketingCarrierInfo>
                    <CarrierDesigCode>6X</CarrierDesigCode>

                <MarketingCarrierFlightNumberText>3616</MarketingCarrierFlightNumberText>
                </MarketingCarrierInfo>
                <OperatingCarrierInfo>
                    <CarrierDesigCode>6X</CarrierDesigCode>
                </OperatingCarrierInfo>
            </PaxSegment>
        <PaxSegment>
            <PaxSegmentID>SEG16</PaxSegmentID>
            <Dep>
                <IATA_LocationCode>HEL</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-11-
02T12:15:00</AircraftScheduledDateTime>
            </Dep>
            <Arrival>
                <IATA_LocationCode>CDG</IATA_LocationCode>
                <AircraftScheduledDateTime>2018-11-
02T14:20:00</AircraftScheduledDateTime>
            </Arrival>
            <MarketingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>

            <MarketingCarrierFlightNumberText>3617</MarketingCarrierFlightNumberText>
            </MarketingCarrierInfo>
            <OperatingCarrierInfo>
                <CarrierDesigCode>6X</CarrierDesigCode>
            </OperatingCarrierInfo>
        </PaxSegment>
    </PaxSegmentList>
    <PriceClassList>
        <PriceClass>
            <PriceClassID>-ALL-</PriceClassID>
            <Name>-ALL-</Name>
        </PriceClass>
    </PriceClassList>
</DataLists>
<OffersGroup>
    <CarrierOffers>
        <Offer>
            <OfferID>SULL-7205623657604005066-1</OfferID>
            <OwnerCode>6X</OwnerCode>
            <JourneyOverview>
                <PriceClassRefID>-ALL-</PriceClassRefID>
                <JourneyPriceClass>
                    <PaxJourneyRefID>FLT1</PaxJourneyRefID>
                </JourneyPriceClass>
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</Response>
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</AirShoppingRS>
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5.2 Use case 2

5.2.1 Use Case Description

Simple upsell request with two passengers:

- **Upsell request**
- **2 PAX ADT**

- Round Trip
- ITI mode
- Included ancillary services from Fare Family
- Chargeable ancillary services

5.2.2 Preconditions

General prerequisites for the Airshopping transaction specified in section 1.5

5.2.3 Query

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        <OriginDepRequest>
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5.2.4 Reply

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                  </ClassOfService>
                </FlightSegmentReference>
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</AirShoppingRS>

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5.3 Use Case 3

5.3.1 Use Case Description

Simple upsell request with one passengers:

- **Upsell request**
- **OWD mode**
- **2 PAX ADT**
- **Round Trip**

5.3.2 Preconditions

General prerequisites for the Airshopping transaction specified in section 1.5

5.3.3 Query

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    <Version>18.1</Version>
  </PayloadAttributes>
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        <SystemID>token</SystemID>
      </EnabledSystem>
    </Sender>
  </Party>
  <Request>
    <FlightRequest>
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        <DestArrivalRequest>
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        </OriginDepRequest>
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</AirShoppingRQ>
```

```

        </ShoppingCriteria>
    </Request>
</AirShoppingRQ>

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5.3.4 Reply

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5.4 Use case 5

5.4.1 Use Case Description

- **Upsell request**
- **Itinerary mode**
- **Several price classes**
- **2 PAX (1 ADT and 1 CHD)**
- **Connections in the itinerary**

5.4.2 Preconditions

General prerequisites for the Airshopping transaction specified in section 1.5

5.4.3 Query

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5.4.4 Reply

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5.5 Use case 6

5.5.1 Use Case Description

- **Calendar request**
- **1 PAX (1 ADT)**
- **Round trip**

5.5.2 Preconditions

General prerequisites for the Airshopping transaction specified in section 1.5

5.5.3 Query

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  </PayloadAttributes>
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5.5.4 Reply

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