

Shared 21.3 Implementation guide

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This page exists for now to have a unique place to put the common part to build a query and receiving a reply part

Building A Query

This section describes the common parts used in a 21.3 NDC query message :

- AirShoppingRQ
- OfferPriceRQ
- OrderCreateRQ
- OrderChangeRQ
- OrderRetrieveRQ
- OrderReshopRQ
- OrderQuoteRQ
- SeatAvailabilityRQ
- ServiceListRQ

DistributionChain

The distribution chain data has to be provided in any input of the services described previously:

Designation	Repetition	Status	Location	Comments
Distribution Chain Link	1..N	M	/DistributionChain/DistributionChainLink/	Defines an organization participating into the distribution chain.
Ordinal	1	M	/DistributionChain/DistributionChainLink/Ordinal	Order of the organization in the distribution chain. Identified by a number.

Designation	Repetition	Status	Location	Comments
				<ul style="list-style-type: none"> Starts at "1" with the father organization (sender) from the recipient (Carrier using Altéa NDC) Increased by +1 for each organization in the distribution chain closer to the recipient (Carrier using Altéa NDC)
Organization Role	1	M	/DistributionChain/DistributionChainLink/OrgRole	Role of the organization. One of the three enumerations: <ul style="list-style-type: none"> Seller Distributor Carrier
Organization Name	0..1	O	/DistributionChain/DistributionChainLink/ParticipatingOrg/Name	Name of the organization.
Organization ID	1	M	/DistributionChain/DistributionChainLink/ParticipatingOrg/OrgID	Identifies the organization. Possible values: <ul style="list-style-type: none"> for Seller : TIDs - Travel Agency Cards, AgencyID, IATA Number, for Distributor : Unique alphanumeric identifier (3 characters maximum), for Carrier : Unique alphanumeric identifier (2-letters airline code).
Sales Branch ID	1	O	/DistributionChain/DistributionChainLink/SalesBranch/SalesBranchID	Identifies the sales branch: pseudo city code of the agent if applicable, also known as officeID.
Contact Info	0..1	O	/DistributionChain/DistributionChainLink/ContactInfo	Defines the contact of the organization of the chain.
Contact Info ID	1	M	/DistributionChain/DistributionChainLink/ContactInfo/ContactInfoID	Identifies a set of contact information of the organization.
Email	1	O	/DistributionChain/DistributionChainLink/ContactInfo/EmailAddresses	

Designation	Repetition	Status	Location	Comments
Email Address	1	M	/DistributionChain/DistributionChainLink/ContactInfo/EmailAddresses/EmailAddressText	Email address of the organization to be used for contact purpose.
Phone	1	O	/DistributionChain/DistributionChainLink/ContactInfo/Phone	
Type of contact	1	O	/DistributionChain/DistributionChainLink/ContactInfo/Phone/ContactTypeText	
Phone Country code	1	O	/DistributionChain/DistributionChainLink/ContactInfo/Phone/CountryDialingCode	Phone country code of the organization. Example: 33. Format with a "+" (like +33) is only accepted in case of ContactTypeText = "standard"
Phone number	1	O	/DistributionChain/DistributionChainLink/ContactInfo/Phone/PhoneNumber	Phone number of the organization to be used for contact purpose.

Example of DistributionChain

```

<DistributionChain>
  <DistributionChainLink>
    <ContactInfo>
      <ContactInfoID>123456</ContactInfoID>
      <EmailAddress>
        <EmailAddressText>TEST@AMADEUS.COM</EmailAddressText>
      </EmailAddress>
      <Phone>
        <PhoneNumber>+33493101010</PhoneNumber>
      </Phone>
    </ContactInfo>
    <Ordinal>1</Ordinal>
    <OrgRole>Seller</OrgRole>
    <ParticipatingOrg>
      <OrgID>12345678</OrgID>
    </ParticipatingOrg>
    <SalesBranch>
      <SalesBranchID>NCE6X01AB</SalesBranchID>
    </SalesBranch>
  </DistributionChainLink>
  <DistributionChainLink>
    <Ordinal>2</Ordinal>
    <OrgRole>Distributor</OrgRole>
    <ParticipatingOrg>
      <OrgID>1A</OrgID>
    </ParticipatingOrg>
  </DistributionChainLink>
</DistributionChainLink>

```

```

    <Ordinal>3</Ordinal>
    <OrgRole>Carrier</OrgRole>
    <ParticipatingOrg>
      <OrgID>6X</OrgID>
    </ParticipatingOrg>
  </DistributionChainLink>
</DistributionChain>

```

Notes:

Recommendation is to have at maximum 3 organizations (Seller, Distributor, Carrier).

In case of more than 3 organizations in DistributionChain, only the following is taking into account:

- The Seller
- A single distributor - the one that is closer to the recipient (Carrier using Altéa NDC), meaning the highest Ordinal
- The Carrier

In case email and phone are added as ContactInfo to a DistributionChain, they will only be used for the Seller. Contact informations are used only at OrderCreate step.

Payload Attributes

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

```

<PayloadAttributes>
  <Version>21.3</Version>
</PayloadAttributes>

```

POS

The point of sale structure describes the country code used to perform the booking/payment.

Designation	Repetition	Status	Location	Comments
City Code	1	O	/POS/City/IATA_LocationCode	City code for POS override

Designation	Repetition	Status	Location	Comments
Country Code	1	0	/POS/Country/CountryCode	Country code from where the message is sent

Note:

City Code is taken into account only for **AirShopping** and **OfferPrice** transactions. **Example of POS**

```
<POS>
    <City>
        <IATA_LocationCode>LON</IATA_LocationCode>
    </City>
    <Country>
        <CountryCode>FR</CountryCode>
    </Country>
</POS>
```

Response Parameters

Currency Override

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
Response Parameters			/Request/ResponseParameters	
Currency	1	0	/ResponseParameters/CurParameter/CurCode	Currency code to be applied during shopping process, 3 letter code such as USD, EUR, etc.

Currency Override

```
<ResponseParameters>
    <CurParameter>
        <CurCode>USD</CurCode>
    </CurParameter>
</ResponseParameters>
```

Language Option

It is possible to choose the language of the fare conditions if it is available. By default, language is English

Designation	Repetition	Status	Location	Comments
Response Parameters	/Request/Response Parameters			
LangCode	1	O	/ResponseParameters/LangUsage/LangCode	The two letters ISO language code. By default, language is English. If you specify a language, you must add the language parameters to all verbs you shoot

Language option

```
<ResponseParameters>
  <LangUsage>
    <LangCode>EN</LangCode>
  </LangUsage>
</ResponseParameters>
```

Receiving a Reply

This section describes the implementation of the common parts used in a 21.3 NDC messages:

- AirShoppingRS
- OfferPriceRS
- OrderViewRS
- OrderReshopRS
- SeatAvailabilityRS
- ServiceListRS

Version

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


```
<PayloadAttributes>
  <VersionNumber>21.3</VersionNumber>
</PayloadAttributes>
```

DataLists

Baggage Allowance List

One or several *BagAllowance* elements can be present for each combination of passengers (pax) and segment. Several types of checked baggage allowance are possible, each baggage allowance has to include at least one of the following :

- Piece Allowance
- Weight Allowance
- Maximum Dimension Allowance
- Minimum Dimension Allowance

BaggageAllowance association to pax/segment combo is done through a service definition. In case multiple *BaggageAllowance* elements are associated to the same pax/segment couple a bundle service will be created.

Designation	Repetition	Status	Location	Comments
BaggageAllowanceList	0..1	O	/Response/DataLists/BaggageAllowanceList	List of baggage allowance possibilities
BaggageAllowance	1..n	M	/Response/DataLists/BaggageAllowanceList/BaggageAllowance	Description of a baggage allowance
Applicable Party Text	1	M	/BaggageAllowance/ApplicablePartyText	Baggage weight restriction application. Value: Traveler
BaggageAllowanceID	1	M	/BaggageAllowance/BaggageAllowanceID	Unique list ID. Ex: FBA1, FBA2, ..
CarrierDesignCode	0..1	O	/BaggageAllowance/BDC/CarrierDesignCode	The carrier whose baggage allowances applies
TypeCode	1	M	/BaggageAllowance/TypeCode	Type of Baggage Allowance. Example: CheckedBag
DescText	1	O	/BaggageAllowance/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: 0GO
			PieceAllowance	
Total Quantity	1	M	/BaggageAllowance/PieceAllowance/TotalQty	Maximum pieces of baggage allowed.
			MaximumDimensionAllowance	
MaximumDimensionAllowance	0..n	O	BaggageAllowance/MaximumDimensionAllowance	Baggage dimension allowance with application information.
HeightMeasure	0..1	O	BaggageAllowance/MaximumDimensionAllowance/HeightMeasure	The height of the bag defined in either imperial or metric.
LengthMeasure	0..1	O	BaggageAllowance/MaximumDimensionAllowance/LengthMeasure	The length of the bag defined in either imperial or metric.
LengthUnitOfMeasurement	1	M	BaggageAllowance/MaximumDimensionAllowance/LengthUnitOfMeasurement	The unit of measurement of the bag defined as imperial or metric.
LinearMeasure	0..1	O	BaggageAllowance/MaximumDimensionAllowance/LinearMeasure	Maximum dimensions value. Linear measure = height + length + width
WidthMeasure	0..1	O	BaggageAllowance/MaximumDimensionAllowance/WidthMeasure	The width of the bag defined in either imperial or metric.
			MinimumDimensionAllowance	
MinimumDimensionAllowance	0..n	O	BaggageAllowance/MinimumDimensionAllowance	Baggage dimension allowance with application information.
HeightMeasure	0..1	O	BaggageAllowance/MinimumDimensionAllowance/HeightMeasure	The height of the bag defined in either imperial or metric.
LengthMeasure	0..1	O	BaggageAllowance/MinimumDimensionAllowance/LengthMeasure	The length of the bag defined in either imperial or metric.
LengthUnitOfMeasurement	1	M	BaggageAllowance/MinimumDimensionAllowance/LengthUnitOfMeasurement	The unit of measurement of the bag defined as imperial or metric.
LinearMeasure	0..1	O	BaggageAllowance/MinimumDimensionAllowance/LinearMeasure	Minimum dimensions value. Linear measure = height + length + width
WidthMeasure	0..1	O	BaggageAllowance/MinimumDimensionAllowance/WidthMeasure	The width of the bag defined in either imperial or metric.
			WeightAllowance	

Weight Allowance	0..n	O	BaggageAllowance/WeightAllowance	Describe the Weight Allowance of the baggage
Maximum Weight Measure	1	O	BaggageAllowance/WeightAllowance/MaximumWeightMeasure	Maximum weight of the baggage
Minimum Weight Measure	0..1	O	BaggageAllowance/WeightAllowance/MinimumWeightMeasure	Minimum weight of the baggage
TotalMaximum WeightMeasure	0..1	O	BaggageAllowance/WeightAllowance/TotalMaximumWeightMeasure	Maximum weight for all the combined pieces within this baggage allowance
Weight Unit of Measure	1	M	BaggageAllowance/WeightAllowance/WeightUnitOfMeasurement	The unit of measurement of weight defined as imperial or metric. KGM for kilograms and LBR for US Pounds.

Baggage Allowance

```

<BaggageAllowancelist>
  <BaggageAllowance>
    <ApplicablePartyText>Traveler</ApplicablePartyText>
    <BaggageAllowanceID>BAG-1</BaggageAllowanceID>
    <BDC>
      <CarrierDesigCode>XB</CarrierDesigCode>
    </BDC>
    <DescText>Extra Baggage</DescText>
    <MaximumDimensionAllowance>
      <HeightMeasure>36</HeightMeasure>
      <LengthMeasure>50</LengthMeasure>
    <LengthUnitOfMeasurement>CMT</LengthUnitOfMeasurement>
      <LinearMeasure>126</LinearMeasure>
      <WidthMeasure>40</WidthMeasure>
    </MaximumDimensionAllowance>
    <PieceAllowance>
      <TotalQty>1</TotalQty>
    </PieceAllowance>
    <TypeCode>Checked</TypeCode>
    <WeightAllowance>
      <MaximumWeightMeasure>23</MaximumWeightMeasure>
      <WeightUnitOfMeasurement>KGM</WeightUnitOfMeasurement>
    </WeightAllowance>
  </BaggageAllowance>
</BaggageAllowancelist>

```

In case of weight allowance the following information are returned:

- BaggageAllowanceID: unique allowance identifier
- Applicable Bag: this element specifies the allowance application. The value is always *Traveler*, meaning that each Checked Bag Allowance applies to a single passenger
- Maximum Weight Measure: weight value
- Maximum Weight Unit Of Measure: unit of measure for the weight given above

BagAllowance (Weight)

Pax List

The following traveler data - taken from the query - are returned in the reply:

Designation	Repetition	Status	Location	Comments
PaxList	0..1	O	Datalists/PaxList	Passenger list
Pax	1..n	M	Datalists/PaxList/Pax	Passenger
ContactInfoRefID	0..1	O	Datalists/PaxList/Pax/ContactInfoRefID	Reference to the contact of the passenger
Passenger ID	1	M	/DataLists /PaxList /Pax /PaxID	Reference to identify the passenger
Passenger Type	1	O	/DataLists /PaxList /Pax /PTC	Possible values are: ADT, B15, BNN, C15, CHD, CMA, CMP, EMI, HOF, INF, INN, INS, ITF, ITS, ITX, JCB, JNF, JNN, JNS, LBR, LIF, LNN, MIS, OFW, SEA, SPS, SRC, STU, VFR, YTH. Important : CNN, ITU, LNS, PFA, TEA are not supported by NDC flow UNN not accepted by ATC exchange.
Passenger Reference	1	O	/DataLists /PaxList /Pax /PaxRefID	Reference to the ADT passenger, for infant.
Passenger Surname	1	O	/DataLists /PaxList /Pax /Individual /Surname	Passenger's family name provided in the Query.
Passenger First Name	1	O	/DataLists /PaxList /Pax /Individual /GivenName	Passenger's first name(s) provided in the Query.

Designation	Repetition	Status	Location	Comments
Passenger Name Title	1	O	/DataLists /PaxList /Pax /Individual /TitleName	Name Title provided in the Query. Examples: MR, MRS, DR

```

<PaxList>
  <Pax>
    <ContactInfoRefID>CTCPAX1</ContactInfoRefID>
    <PaxID>PAX1</PaxID>
    <PTC>ADT</PTC>
    <Individual>
      <Surname>SMITH</Surname>
      <GivenName>JOHN</GivenName>
    </Individual>
  </Pax>
</PaxList>

```

Pax Journey

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.

Designation	Repetition	Status	Location	Comments
Pax Journey parameters			Response/DataLists/PaxJourneyList/PaxJourney	
Reference of the travel solution	0..1	O	/PaxJourney/PaxJourneyID	Unique reference of the Journey for the passengers
Total Effective Flight Time	0..1	O	/PaxJourney/Duration	Duration Time of the flight time + connecting time. Example: PT9H20M
Flight Segment References	1..6	M	/PaxJourney/PaxSegmentRefID	References of the segment included into the flight

```

<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>
</PaxJourneyList>

```

```

        <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>

```

Pax Segment List

The following flight data are returned in the reply:

- Booking class (from the query)
- Cabin code corresponding
- Cabin name corresponding
- Reference of the segment

Designation	Repetition	Status	Location	Comments
PaxSegmentList	1	M	/Response/DataLists/PaxSegmentList	Segments list
PaxSegment	1..n	M	/DataLists/PaxSegmentList/PaxSegment	Segment structure.
DatedMarketingSegmentRefId	1	M	/DataLists/PaxSegmentList/PaxSegment/DatedMarketingSegmentRefId	A reference to a unique identifier of a dated marketing segment used in a message.
Pax Segment ID	1	M	/DataLists/PaxSegmentList/PaxSegment/PaxSegmentID	Reference of the segment
Cabin code	1	O	/DataLists/PaxSegmentList/PaxSegment/CabinTypeAssociationChoice/SegmentCabinType/CabinTypeCode	Cabin class code for which the seatmap is requested.
Cabin name	1	O	/DataLists/PaxSegmentList/PaxSegment/CabinTypeAssociationChoice/SegmentCabinType/CabinTypeName	Cabin class name for which the seatmap is requested.

Designation	Repetition	Status	Location	Comments
Marketing Booking class code	1	M	/DataList/PaxSegmentList/PaxSegment/MarketingCarrierRBD_Code	Booking class code for which the seatmap is requested.

```

<PaxSegmentList>
  <PaxSegment>
    <PaxSegmentID>SEG15</PaxSegmentID>
    <MarketingCarrierRBD_Code>W</MarketingCarrierRBD_Code>
    <CabinTypeAssociationChoice>
      <SegmentCabinType>
        <CabinTypeCode>W</CabinTypeCode>
        <CabinTypeName>Y</CabinTypeName>
      </SegmentCabinType>
    </CabinTypeAssociationChoice>
    <DatedMarketingSegmentRefId>DMS15</DatedMarketingSegmentRefId>
  </PaxSegment>
</PaxSegmentList>

```

Dated Operating Segment List

The following flight data are returned in the reply:

- Operating Airline Code
- Marketing Flight Number
- Reference of the segment

Designation	Repetition	Status	Location	Comments
DatedOperatingSegmentList			/Response/DataLists/DatedOperatingSegmentList	
OperatingCarrierInfo	1..n	M	/DatedOperatingSegmentList/DatedOperatingSegment	Operating flight information structure.
CarrierName	1	M	/DatedOperatingSegment/CarrierName	Operating carrier name
Operating Carrier Code	1	M	/DatedOperatingSegment/CarrierDesigCode	Airline code of the Operating carrier.
Operating Segment Leg ID	1..N	M*	/DatedOperatingSegment/DatedOperatingLegRefID	Reference of the Legs within the Segment

Designation	Repetition	Status	Location	Comments
Operating Segment ID	1	M*	/DatedOperatingSegment/DatedOperatingSegmentId	Reference of the segment, always starts with DOS
Duration	0..1	O	DatedOperatingSegmentList/DatedOperatingSegment/Duration	Total segment time including the combined air time and connection times of any legs.
Operating Carrier Flight number	1	O	/DatedOperatingSegment/OperatingCarrierFlightNumberText	Flight number of the Operating carrier.
Secure Flight Indicator	1	O	/DatedOperatingSegment/SecureFlightInd	Flag to indicate if the flight is a "secure flight". It's returned only when the value is true (e.g.: in case of flight to an US airport).

*Mandatory if there is a Segment.

```

<DatedOperatingSegmentList>
  <DatedOperatingSegment>
    <CarrierDesigCode>6X</CarrierDesigCode>
    <CarrierName>Amadeus Six</CarrierName>
    <DatedOperatingLegRefID>LEG16</DatedOperatingLegRefID>

    <DatedOperatingSegmentId>DOS15</DatedOperatingSegmentId>

    <OperatingCarrierFlightNumberText>221</OperatingCarrierFlightNumberText>
    <SecureFlightInd>true</SecureFlightInd>
  </DatedOperatingSegment>
</DatedOperatingSegmentList>

```

Dated Operating Leg List

The following flight data are returned in the reply:

- Departure Airport Code of the Leg
- Departure date
- Arrival Airport Code of the Leg
- Equipment code of the aircraft
- ACV (Aircraft Configuration Version) associated to the seatmap
- Reference of the Leg

Designation	Repetition	Status	Location	Comments
DatedOperatingLegList	1	M	/Response/DataLists/DatedOperatingLegList	Legs list
DatedOperatingLeg	0..n	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg	Leg structure
Departure	1	M	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Dep	Leg departure structure
Departure Terminal	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Dep/TerminalName	Departure terminal. Not returned in case the airport has only one terminal.
Departure Code	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Dep/IATA_LocationCode	3 letters airport code of the departure airport.
Departure Arrival	1	M	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Dep/AircraftScheduledDateTime	Departure date. Local time
Arrival	1	M	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Arrival	Leg arrival structure
Arrival Terminal	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Arrival/TerminalName	Arrival terminal. Not returned in case the airport has only one terminal.
Arrival Code	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Arrival/IATA_LocationCode	3 letters airport code of the arrival airport.
Arrival Date	1	M	/DataLists/DatedOperatingLegList/DatedOperatingLeg/Arrival/AircraftScheduledDateTime	Arrival date. Local time
Equipment Code	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/IATA_AircraftType/IATA_AircraftTypeCode	Equipment code of the aircraft. Example: 320.
ACV	1	O	/DataLists/DatedOperatingLegList/DatedOperatingLeg/CarrierAircraftType/CarrierAircraftTypeCode	Aircraft configuration version associated to the seatmap

Designation	Repetition	Status	Location	Comments
Operating Leg ID	1	M*	/DataLists/DatedOperatingLegList/DatedOperatingLeg/DatedOperatingLegID	Reference of the Leg, always starts with LEG

*Mandatory if there is a Leg.

```

<DatedOperatingLegList>
  <DatedOperatingLeg>
    <DatedOperatingLegID>LEG1</DatedOperatingLegID>
    <Dep>
      <IATA_LocationCode>SIN</IATA_LocationCode>
      <TerminalName>1</TerminalName>
      <AircraftScheduledDateTime>2018-03-
08T10:10:00</AircraftScheduledDateTime>
    </Dep>
    <Arrival>
      <IATA_LocationCode>SYD</IATA_LocationCode>
      <TerminalName>2</TerminalName>
      <AircraftScheduledDateTime>2018-03-
08T10:18:00</AircraftScheduledDateTime>
    </Arrival>
    <IATA_AircraftType>
      <IATA_AircraftTypeCode>388</IATA_AircraftTypeCode>
    </IATA_AircraftType>
    <CarrierAircraftType>
      <CarrierAircraftTypeCode>383<CarrierAircraftTypeCode>
    </CarrierAircraftType>
  </DatedOperatingLeg>
</DatedOperatingLegList>

```

Dated Marketing Segment List

The following flight data taken from the message response are returned in the Dated Marketing Segment List:

- Departure Airport Code
- Departure date
- Arrival Airport Code
- Marketing Airline Code
- Marketing Flight Number
- Reference of the Segment

Designation	Repetition	Status	Location	Comments
DatedMarketingSegmentList	1	M	/Response/DataLists/DatedMarketingSegmentList	Marketing flight list
DatedMarketingSegment	1..n	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment	Marketing flight information structure
			Departure	
Dep	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Dep/	Segment departure structure
DepartureTerminalName	1	O	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Dep/TerminalName	Departure terminal. Not returned in case the airport has only one terminal.
Departure Airport Code	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Dep/IATA_LocationCode	3 letters airport code of the departure airport.
Departure Date	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Dep/AircraftScheduledDate/Date	Departure date. Format: YYYY-MM-DDTHH:MM:SS
			Arrival	
Arrival	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Arrival	Segment arrival structure
ArrivalTerminalName	1	O	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Arrival/TerminalName	Arrival terminal. Not returned in case the airport has only one terminal.
Arrival Airport Code	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Arrival/IATA_LocationCode	3 letters airport code of the arrival airport.
Arrival Date	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/Arrival/AircraftScheduledDate/Date	Arrival date. Format: YYYY-MM-DDTHH:MM:SS Local time
			Marketing carrier	
CarrierName	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/CarrierName	Marketing carrier name
Marketing Carrier Code	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/CarrierDesignCode	Airline code of the marketing carrier

Designation	Repetition	Status	Location	Comments
Marketing Carrier Flight number	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/MarketingCarrierFlightNumberText	Flight number.
Marketing Segment ID	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/DatedMarketingSegmentId	Reference of the segment, always starts with DMS
Operating Segment ID	1	M	/DataLists/DatedMarketingSegmentList/DatedMarketingSegment/DatedOperatingSegmentRefId	Reference of the operating segment corresponding

```

<DatedMarketingSegmentList>
  <DatedMarketingSegment>
    <Arrival>
      <IATA_LocationCode>SYD</IATA_LocationCode>
      <TerminalName>2</TerminalName>
      <AircraftScheduledDateTime>2019-05-
15T09:15:00.000</AircraftScheduledDateTime>
    </Arrival>
    <CarrierDesigCode>6X</CarrierDesigCode>
    <CarrierName>Amadeus Six</CarrierName>

    <DatedMarketingSegmentId>DMS15</DatedMarketingSegmentId>

    <DatedOperatingSegmentRefId>DOS15</DatedOperatingSegmentRefId>
    <Dep>
      <IATA_LocationCode>SIN</IATA_LocationCode>
      <TerminalName>1</TerminalName>
      <AircraftScheduledDateTime>2019-05-
15T09:10:00.000</AircraftScheduledDateTime>
    </Dep>

    <MarketingCarrierFlightNumberText>221</MarketingCarrierFlightNumberText>
  </DatedMarketingSegment>
</DatedMarketingSegmentList>

```

ServiceDefinitionList

Be careful ServiceDefinitionList is different in **SeatAvailability!**

List of data returned for each service.

A service definition can be common to multiple services. It is returned as soon as there is a service (not a seat) in the order.

Designation	Repetition	Status	Location	Comments
Service Definition			/Response/DataLists/ServiceDefinitionList/ServiceDefinition	
Service Definition ID	1	M	/ServiceDefinition/ServiceDefinitionID	Service Definition ID
Owner Code	1	O	/ServiceDefinition/OwnerCode	Airline code assigned to a carrier
Service Name	1	M	/ServiceDefinition/Name	Should be different than service description
Service Code	1	O	/ServiceDefinition/ServiceCode	Airline specific service code which can be associated with Reason for Issuance Sub Code. Example: XLEG for Extra Leg Room Seat, XBAG for Extra Bag
Reason for Issuance Code	1	O	/ServiceDefinition/RFIC	A (Air Transportation), C (Baggage), E (Airport Services), F (Merchandise), G (In-flight Services). It is not airline specific.
Reason for Issuance SubCode	1	O	/ServiceDefinition/RFISC	Precision Code for the reason of the issuance, it is airline specific.
Service Definition Association			/ServiceDefinition/ServiceDefinitionAssociation	
Baggage Allowance Ref ID	1	O	/ServiceDefinitionAssociation/BaggageAllowanceRefID	Reference to a Baggage Allowance
Service Bundle Max Qty	1	O	/ServiceDefinitionAssociation/ServiceBundle/MaximumServiceQty	Maximum quantity of bundle services that can be selected by each passenger referenced in the Offer
SeatProfile RefID	1	O	/ServiceDefinitionAssociation/SeatProfileRefID	Reference to the corresponding SeatProfile
Service Definition Reference ID	1	O	/ServiceDefinitionAssociation/ServiceBundle/ServiceDefinitionRefID	Reference to further Service Definition which form part of this Service Bundle
BookingInstructions			/ServiceDefinition/BookingInstructions	
OSIText	1	O	/BookingInstructions/OSI_Text	Other service information (OSI) text. Example: %TYPE%%FTXT%

Designation	Repetition	Status	Location	Comments
Data center instructions	1	O	/BookingInstructions/SpecialService/FreeText	Data center instructions.
Booking Method	1	O	/BookingInstructions/MethodText	Contains the applicable booking method. Possible values are 01 or 02. Applies only for Ancillary services.
Description			/ServiceDefinition/Desc	
Service Description Text	1	O	/Desc/DescText	Description text value corresponding to the MarkupStyleText. If there is nothing in MarkupStyleText, it can be : <ul style="list-style-type: none"> • a free text to described the service • "Free" if this is a free standard service • "Chargeable" if it is an ancillary service (non exempted and exempted services).
Mark-up Style Text	1	O	/Desc/MarkupStyleText	See in following table the list of possible values.

MarkupStyleText	DescText	Comments
Service_Type	Contains the ATPCO service type code. Example: F for Flight Related Service.	Applies only for Ancillary services.
Group	Contains the ATPCO service group code. Example: BG for Baggage.	Applies only for Ancillary services.
Subgroup	Contains the ATPCO service subgroup code. Example: SP for Sporting Equipment	Applies only for Ancillary services.
Category_Free	Contains the category of the free standard services defined on SSR table	Applies only for Free Standard Services. This Mark-up Style Text is returned only if a free services option is provided in the query (CFS).

MarkupStyleText	DescText	Comments
MediaID	Contains the Media ID link to the Service	Applies both Case

Example (without CFS option):ServiceDefinitionList without CFS option

```

<ServiceDefinitionList>
  <ServiceDefinition>
    <ServiceDefinitionID>SRV1</ServiceDefinitionID>
    <OwnerCode>6X</OwnerCode>
    <Name>PRE PAID BAGGAGE</Name>
    <RFIC>C</RFIC>
    <ServiceCode>XBAG</ServiceCode>
    <RFISC>0AA</RFISC>
    <Desc>
      <DescText>F</DescText>
      <MarkupStyleText>Service_Type</MarkupStyleText>
    </Desc>
    <Desc>
      <DescText>BG</DescText>
      <MarkupStyleText>Group</MarkupStyleText>
    </Desc>
      <BookingInstructions>
        <MethodText>01</MethodText>
      </BookingInstructions>
    <ServiceDefinitionAssociation>
      <BaggageAllowanceRefID>CBA1</BaggageAllowanceRefID>
    </ServiceDefinitionAssociation>
  </ServiceDefinition>
</ServiceDefinitionList>

```

Example (with CFS option):With CFS option

```

<ServiceDefinitionList>
  <ServiceDefinition>
    <ServiceDefinitionID>SRV1</ServiceDefinitionID>
    <OwnerCode>6X</OwnerCode>
    <Name>PRE PAID BAGGAGE</Name>
    <RFIC>C</RFIC>
    <ServiceCode>XBAG</ServiceCode>
    <RFISC>0AA</RFISC>
    <Desc>
      <DescText>F</DescText>
      <MarkupStyleText>Service_Type</MarkupStyleText>
    </Desc>
    <Desc>
      <DescText>BG</DescText>
      <MarkupStyleText>Group</MarkupStyleText>
    </Desc>
      <Desc>
        <DescText>Chargeable</DescText>
      </Desc>

```

```

    </Desc>
        <BookingInstructions>
            <MethodText>01</MethodText>
        </BookingInstructions>
    <ServiceDefinitionAssociation>
        <BaggageAllowanceRefID>CBA1</BaggageAllowanceRefID>
    </ServiceDefinitionAssociation>
</ServiceDefinition>
    <ServiceDefinition>
    <ServiceDefinitionID>SRV2</ServiceDefinitionID>
    <OwnerCode>6X</OwnerCode>
    <Name>BLIND PASSENGER INFORMATION</Name>
    <ServiceCode>BLND</ServiceCode>
    <Desc>
        <DescText>Free</DescText>
    </Desc>
    <Desc>
        <DescText>Passenger</DescText>
        <MarkupStyleText>Category_Free</MarkupStyleText>
    </Desc>
    </ServiceDefinition>
</ServiceDefinitionList>

```

Example: With Data center instructions without CFS

```

<ServiceDefinitionList>
    <ServiceDefinition>
        <ServiceDefinitionID>SRV1</ServiceDefinitionID>
        <OwnerCode>6X</OwnerCode>
        <Name>PRE PAID BAGGAGE</Name>
        <RFIC>C</RFIC>
        <ServiceCode>XBAG</ServiceCode>
        <RFISC>0AA</RFISC>
        <Desc>
            <DescText>F</DescText>
            <MarkupStyleText>Service_Type</MarkupStyleText>
        </Desc>
        <Desc>
            <DescText>BG</DescText>
            <MarkupStyleText>Group</MarkupStyleText>
        </Desc>
        <ServiceDefinitionAssociation>
            <BaggageAllowanceRefID>CBA1</BaggageAllowanceRefID>
        </ServiceDefinitionAssociation>
        <BookingInstructions>
            <MethodText>01</MethodText>
            <OSIText>%TYPE%FTXT%</OSIText>
            <SpecialService>
                <FreeText>TYPE</FreeText>
                <FreeText>(?:ABAG|PREPAID|XBGS)</FreeText>
                <FreeText>FTXT</FreeText>
                <FreeText>[-\s/0-9A-Z]{1,90}</FreeText>
            </SpecialService>
        </BookingInstructions>
    </ServiceDefinition>
</ServiceDefinitionList>

```



```

    <BookingInstructions>
  </ServiceDefinition>
</ServiceDefinitionList>

```

Service definition for regular service (SSR)

```

<ServiceDefinitionList>
  <ServiceDefinition>
    <ServiceDefinitionID>PDBG_1</ServiceDefinitionID>
    <Name>EXCESS BAGGAGE REQUEST</Name>
    <ServiceCode>PDBG</ServiceCode>
    <RFIC>C</RFIC>
    <RFISC>0AA</RFISC>
    <OwnerCode>6X</OwnerCode>
  </ServiceDefinition>
  <ServiceDefinition>
    <ServiceDefinitionID>BIKE_1</ServiceDefinitionID>
    <Name>REQUEST FOR CARRIAGE OF BICYCLE</Name>
    <ServiceCode>BIKE</ServiceCode>
    <RFIC>C</RFIC>
    <RFISC>0EC</RFISC>
    <OwnerCode>6X</OwnerCode>
    <Desc>
      <DescText>FREETEXT</DescText>
    </Desc>
  </ServiceDefinition>
</ServiceDefinitionList>

```

Service definition for seat with media ID

```

<ServiceDefinitionList>
  <ServiceDefinition>
    <ServiceDefinitionID>RQST_1</ServiceDefinitionID>
    <Name>Specific Seat Request</Name>
    <ServiceCode>RQST</ServiceCode>
    <RFIC>A</RFIC>
    <RFISC>0B5</RFISC>
    <OwnerCode>6X</OwnerCode>
    <Desc>
      <DescText>123456</DescText>
      <MarkupStyleText>MediaID</MarkupStyleText>
    </Desc>
    <ServiceDefinitionAssociation>
      <SeatProfileRefID>RQST_1</SeatProfileRefID>
    </ServiceDefinitionAssociation>
  </ServiceDefinition>
</ServiceDefinitionList>

```

Seat Profile List

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

Up to 5 Seat Characteristics Codes can be defined for one seat, each code set in one SeatProfile.

Designation	Repetition	Status	Location	Comments
Seat profile parameters			Response/DataLists/SeatProfileList/SeatProfile	
Seat Characteristics Set ID	1	M	SeatProfile/SeatProfileID	Reference of the set of Seat Characteristics Code(s)
Seat Characteristics Code(s)	1..5	M	SeatProfile/SeatCharacteristicCode	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>
    <SeatCharacteristicCode>CH</SeatCharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP3</SeatProfileID>
    <SeatCharacteristicCode>CH</SeatCharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP2</SeatProfileID>
    <SeatCharacteristicCode>W</SeatCharacteristicCode>
  </SeatProfile>
  <SeatProfile>
    <SeatProfileID>SP4</SeatProfileID>
    <SeatCharacteristicCode>L</SeatCharacteristicCode>
  </SeatProfile>
</SeatProfileList>

```

Origin and Destination List

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

Designation	Repetition	Status	Location	Comments
Origine and Destination section			/Response/DataLists/OriginDestList/OriginDest	
Requested Segment ID	1	M	/OriginDest/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, HEL -> CDG and CDG -> HEL.

Designation	Repetition	Status	Location	Comments
Origin code	1	M	/OriginDest/OriginCode	Departure location code of the requested segment
Destination code	1	M	/OriginDest/DestCode	Arrival location code of the requested segment
Flight solutions references	1..n	M	/OriginDest/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>
    <PaxJourneyRefID>FLT3</PaxJourneyRefID>
    <PaxJourneyRefID>FLT1</PaxJourneyRefID>
  </OriginDest>
</OriginDestList>

```

Price Class List

Be careful the PriceClassList is different in **AirshoppingRS!**

This item presents precisely the different fare families

Designation	Repetition	Status	Location	Comments
Price Class parameters			/Response/DataLists/PriceClassList/PriceClass	
Fare family reference	1	M	/PriceClass/PriceClassID	Unique ID that identifies the fare family
Fare family name	1	M	/PriceClass/Name	Fare family name

Designation	Repetition	Status	Location	Comments
Fare family code	1	M*	/PriceClass/Code	Fare family code
Fare family description	1..N	O	/PriceClass/Desc/DescText	Describe the fare family Before the - : Type of description (example : "short conditions of priority check-in at the airport") After the - : Description corresponding (example : "Allowed")

```

<PriceClassList>
  <PriceClass>
    <PriceClassID>FFM1</PriceClassID>
    <Name>Premium Economy Standard</Name>
    <Code>FF1</Code>
    <Desc>
      <DescText>Short cancellation or refund
conditions if no show at first flight.- USD 200</DescText>
    </Desc>
    <Desc>
      <DescText>Short conditions regarding carry-
on baggage allowance details. - 1 piece Up to 7kg each. Sum of length, width
and height of each piece should not exceed 115cm. Carry-on baggage allowance
will differ for flights to and from the USA.</DescText>
    </Desc>
    <Desc>
      <DescText>Short loyalty or frequent flyer
program conditions with data related to miles or points accrual. -
100</DescText>
    </Desc>
    <Desc>
      <DescText>Short loyalty or frequent flyer
program conditions with data related to upgrade conditions. -
Allowed</DescText>
    </Desc>
    <Desc>
      <DescText>Short conditions regarding seat
selection booking. - Complimentary (Except for Extra Legroom Seats)</DescText>
    </Desc>
  </PriceClass>
</PriceClassList>

```

[Disclosure List](#)

This item presents different message to be disclosed.

Designation	Repetition	Status	Location	Comments
Disclosure parameters			/Response/DataLists/DisclosureList/Disclosure	
Disclosure reference	1	M	/Disclosure/DisclosureID	Unique Key that identifies the disclosure
Disclosure description	1..N	O	/Disclosure/Disc/DiscText	Describe the disclosure

```

<DisclosureList>
  <Disclosure>
    <DisclosureID>DISCLAIMER</DisclosureID>
    <Desc>
      <DescText>More details on fare conditions
will be provided upon selecting your desired flight(s). Fees are subjected to
currency conversion and your bank's exchange rate.</DescText>
    </Desc>
  </Disclosure>
</DisclosureList>

```

This is the list of different messages that can be returned:

Description key	Related fare condition
TRAVELITINERARYSEQUENCE	Defines the short message regarding travel itinerary sequence.
TRAVELITINERARYSEQUENCE_FULL	Defines the full message regarding travel itinerary sequence message.
DISCLAIMER	Defines the short disclaimer message.
DISCLAIMER_FULL	Defines the full disclaimer message.
MIXEDFARETYPE	Defines the short message regarding travel mixed fare type.
MIXEDFARETYPE_FULL	Defines the full message regarding travel mixed fare type.
CURRENCYCONVERSION	Defines the short message regarding currency conversion.
CURRENCYCONVERSION_FULL	Defines the full message regarding currency conversion.

Penalty List

This optional list is used to give the total amount of penalties linked to your offer (OrderReshopRS) or to your order (OrderViewRS).

Designation	Repetition	Status	Location	Comments
Penalty structure			IATA_OrderReshopRS/Response/DataLists/PenaltyList/Penalty	
Penalty ID	1	M	/Penalty/PenaltyID	Unique ID of Penalty
Total amount	1	M	/Penalty/Price/TotalAmount	Total amount of penalties
Total amount currency	1	M	/Penalty/Price/TotalAmount/@CurCode	Total amount currency
Total tax amount	1	O	/Penalty/Price/TaxSummary/TotalTaxAmount	Tax linked
Total tax amount currency	1	O	/Penalty/Price/TaxSummary/TotalTaxAmount/@CurCode	Tax currency
OrderReshop Mode	1	M	/Penalty/TypeCode	Change in Exchange mode Cancellation in Cancellation mode

PenaltyList in exchange mode

```

<PenaltyList>
  <Penalty>
    <PenaltyID>PEN1</PenaltyID>
    <Price>
      <TaxSummary>
        <TotalTaxAmount
CurCode=USD>5.42</TotalTaxAmount>
      </TaxSummary>
      <TotalAmount CurCode=USD>25.36</TotalAmount>
    </Price>
    <TypeCode>Change</TypeCode>
  </Penalty>
  <Penalty>
    <PenaltyID>PEN2</PenaltyID>
    <Price>
      <TaxSummary>
        <TotalTaxAmount
CurCode=USD>6.35</TotalTaxAmount>
      </TaxSummary>
      <TotalAmount CurCode=USD>72.65</TotalAmount>
    </Price>
    <TypeCode>Change</TypeCode>
  </Penalty>
</PenaltyList>

```

PenaltyList in refund mode

```

<PenaltyList>
  <Penalty>
    <PenaltyID>PEN1</PenaltyID>
    <Price>
      <TaxSummary>
        <TotalTaxAmount
CurCode=USD>5.42</TotalTaxAmount>
      </TaxSummary>
      <TotalAmount CurCode=USD>25.36</TotalAmount>
    </Price>
    <TypeCode>Cancellation</TypeCode>
  </Penalty>
  <Penalty>
    <PenaltyID>PEN2</PenaltyID>
    <Price>
      <TaxSummary>
        <TotalTaxAmount
CurCode=USD>6.35</TotalTaxAmount>
      </TaxSummary>
      <TotalAmount CurCode=USD>72.65</TotalAmount>
    </Price>
    <TypeCode>Cancellation</TypeCode>
  </Penalty>
</PenaltyList>

```

Change restrictions

This part concerns different verbs and correspond to the conditions to change an offer item or an order item.

These are a set of qualifying conditions, rules and restrictions that are related to a constrained priced grouping of services for a change action.

These Nodes can be found in the 4 verbs response concerned by minirules:

Verb	REVALIDATION (CAT16/31)/REISSUE (CAT16/31)
AirShoppingRS 21.3	IATA_AirShoppingRS/Response/OffersGroup/CarrierOffers/Offer/OfferItem/ChangeRestrictions
OfferPriceRS 21.3	IATA_OfferPriceRS/Response/PricedOffer/OfferItem/FareDetail/FareComponent/ChangeRestrictions
OrderReshopRS 21.3	IATA_OrderReshopRS/Response/ReshopResults/RepricedOffer/RepricedOfferItem/FareDetail/FareComponent/ChangeRestrictions

OrderViewRS 21.3	IATA_OrderViewRS/Response/cns:Order/cns:OrderItem/cns:FareDetail/cns:FareComponent/cns:ChangeRestrictions
-------------------------	---

Designation	Repetition	Status	Location	Comments
ChangeRestrictionsParameters	1	M	/ChangeRestrictions	
AllowedModificationInd	1	M	/AllowedModificationInd	This flags if this condition allows any modification. If this is set to FALSE then the condition further identified by the other attributes indicates that no change is allowed.
DescText	1	M	/DescText	Describes what the restriction is for example : "Reissue permitted before departure when no show"
JourneyStageCode	1	M	/JourneyStageCode	Enum to qualify the restriction about the journey, possible values are : " Prior To Departure ", " No Show " or " After Departure No Show covers both before and after departure no show.
Change restriction fee parameters	1	C	/ChangeRestrictions/Fee	Returned if AllowedModificationInd returned as true
Amount	1	M	/Amount	Penalty monetary value amount referred to the specific restriction.
Amount currency	1	M	/@CurCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD
Maximum amount	1	M	/MaximumAmount	Stores a maximum fee amount which will be charged when a variable fee amount is effective .
Maximum amount currency	1	M	/MaximumAmount/@CurCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD

Designation	Repetition	Status	Location	Comments
Minimum amount	1	M	/MinimumAmount	Stores a minimum fee amount which will be charged when a variable fee amount is effective .
Minimum amount currency	1	M	/MinimumAmount/@CurrencyCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD

Examples:

No changes possible for an order or an offer item

```
<ChangeRestrictions>
  <AllowedModificationInd>false</AllowedModificationInd>
  <DescText>Changes not permitted after Departure</DescText>
  <JourneyStageCode>After Departure</JourneyStageCode>
</ChangeRestrictions>
```

Changes possible with restrictions for an order or an offer item

```
<ChangeRestrictions>
  <AllowedModificationInd>true</AllowedModificationInd>
  <DescText>Change permitted before departure</DescText>
  <Fee>
    <Amount CurCode="COP">1000</Amount>
    <MaximumAmount CurCode="COP">1000</MaximumAmount>
    <MinimumAmount CurCode="COP">100</MinimumAmount>
  </Fee>
  <JourneyStageCode>Before Departure</JourneyStageCode>
</ChangeRestrictions>
```

Cancel restrictions

This part concerns different verbs and correspond to the conditions to cancel an offer item or an order item.

These are a set of qualifying conditions, rules and restrictions that are related to a constrained priced grouping of services for a cancel action.

These Nodes can be found in the 4 verbs response concerned by minirules:

Verb	REFUND (CAT16/33)
------	-------------------

AirShoppingRS 21.3	IATA_AirShoppingRS/Response/OffersGroup/CarrierOffers/Offer/OfferItem/CancelRestrictions
OfferPriceRS 21.3	IATA_OfferPriceRS/Response/PricedOffer/OfferItem/FareDetail/FareComponent/CancelRestrictions
OrderReshopRS 21.3	IATA_OrderReshopRS/Response/ReshopResults/RepricedOffer/RepricedOfferItem/FareDetail/FareComponent/CancelRestrictions
OrderViewRS 21.3	IATA_OrderViewRS/Response/cns:Order/cns:OrderItem/cns:FareDetail/cns:FareComponent/cns:CancelRestrictions

Designation	Repetition	Status	Location	Comments
CancelRestrictions Parameters	1	M	/CancelRestrictions	
AllowedModificationInd	1	M	/AllowedModificationInd	This flags if this condition allows the cancellation. If this is set to FALSE then the condition further identified by the other attributes indicates that no change is allowed.
DescText	1	M	/DescText	Describes what the restriction is for example : "Refund permitted before departure when no show"
JourneyStageCode	1	M	/JourneyStageCode	Enum to qualify the restriction about the journey, possible values are : " Prior To Departure ", " No Show " or " After Departure " No Show covers both before and after departure no show.
Restriction Refund Parameters	1	C	/CancelRestrictions/Fee	Returned if AllowedModificationInd returned as true
Amount	1	M	/Amount	Stores an exact fixed fee amount relating to this condition.
Amount currency	1	M	/Amount/@CurCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD
Maximum amount	1	M	/MaximumAmount	Stores the maximum refund amount which will be applied when a variable refund amount is effective.

Designation	Repetition	Status	Location	Comments
Maximum amount currency	1	M	/MaximumAmount/@CurrencyCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD
Minimum amount	1	M	/MinimumAmount	Stores a minimum refund amount which will be applied when a variable refund amount is effective.
Minimum amount currency	1	M	/MinimumAmount/@CurrencyCode	Currency Code as per ISO 4217 alphabetic code e.g. EUR, USD, AUD

Cancelation possible with restrictions for an order or an offer item

```
<CancelRestrictions>
  <AllowedModificationInd>true</AllowedModificationInd>
  <DescText>Cancellations before departure are permitted</DescText>
  <Fee>
    <Amount CurCode="COP">1000</Amount>
    <MaximumAmount CurCode="COP">1000</MaximumAmount>
    <MinimumAmount CurCode="COP">0</MinimumAmount>
  </Fee>
  <JourneyStageCode>Before Departure</JourneyStageCode>
</CancelRestrictions>
```

No cancelation possible for an order or an offer item

```
<CancelRestrictions>
  <AllowedModificationInd>false</AllowedModificationInd>
  <DescText>Cancel not permitted after departure</DescText>
  <JourneyStageCode>After Departure</JourneyStageCode>
</CancelRestrictions>
```

FOP OB fees

The FOP OB fees, are fees which depend only on the form of payment.

The information about them are on the payment functions item.

The OB fees codes starting with FC or FD are in it.

Designation	Repetition	Status	Location	Comments
FOP OB Fees			/Response/PaymentFunctions/PaymentSupportedMethod	
OB Fees amount	1	M	/PaymentSupportedMethod/PaymentSurcharge/PreciseAmount	Amount of the FOP OBfees

Designation	Repetition	Status	Location	Comments
OB Fees Currency	1	M	/PaymentSupportedMethod/PaymentSurcharge/PreciseAmount/@CurCode	Currency of the FOP OBfees
Payment Type Code	1	M	/PaymentSupportedMethod/PaymentTypeCode	CC for Customer Card in both cases FCx or FDx OB fees
Card type	1	M	/PaymentSupportedMethod/PaymentMethodAddlInfo/PaymentCardAddlInfo/CardTypeText	<ul style="list-style-type: none"> "debit card" for FDx OB fees "credit card" for FCx OB fees

```

<PaymentFunctions>
  <PaymentSupportedMethod>
    <PaymentSurcharge>
      <PreciseAmount CurCode=USD>3.02</PreciseAmount>
    </PaymentSurcharge>
    <PaymentTypeCode>CC</PaymentTypeCode>
    <PaymentMethodAddlInfo>
      <PaymentCardAddlInfo>
        <CardTypeText>debit
card</CardTypeText>
      </PaymentCardAddlInfo>
    </PaymentMethodAddlInfo>
  </PaymentSupportedMethod>
</PaymentFunctions>

```

Warning

Element containing the different warnings returned

Designation	Repetition	Status	Location	Comments
IATA Warning Code	1..N	O	/Response/Warning/Code	Field Code is used to convey the IATA code of the warning.
Warning Description	1..N	O	/Response/Warning/DescText	<p>Warning description.</p> <p>In case a non IATA Warning is returned, this field includes a concatenation of the non IATA Warning Code and the non IATA Warning message with "-" as separator.</p> <p>Example: 600 - NOT ALL CHARGEABLE SEATS HAVE BEEN PRICED.</p>

Designation	Repetition	Status	Location	Comments
Language Code	1	M	Response/Warning/ LangCode	Language code associated with the warning response.
TagText	1	O	Response/Warning/ TagText	Identifies the tag/XPath which relates to the provided Warning.
TypeCode	1	O	Response/Warning/ TypeCode	Uses a bilaterally agreed set of values to indicate the warning type.

Example of a non IATA warning

```
<Warning>
  <Code>710</Code>
  <DescText>13555 - Cabin varies over legs.</DescText>
  <LangCode>EN</LangCode>
  <TypeCode>W</TypeCode>
</Warning>
```

Error

If a blocking error occurred during the process, the Error Structure is returned and filled.

Designation	Repetition	Status	Location	Comments
Error	1..N	M	/Error	Error structure
Code	1	M	/Error/Code	Error code
DescText	1	M	/Error/DescText	Free text description of the provided error.
LangCode	1	M	/Error/LangCode	The two letters ISO language code associated with the error response.
TypeCode	1	M	/Error/TypeCode	Error type code

```
<Error>
  <Code>911</Code>
  <DescText>UNABLE TO RETRIEVE OFFER</DescText>
  <LangCode>EN</LangCode>
  <TypeCode>E</TypeCode>
</Error>
```

Glossary

CC - Credit Card

FF - Frequent Flyer

FOP - Form Of Payment

FOID - Form Of Identification

FQTV - Frequent flyer code for accruing miles

MCO - Miscellaneous Charge Order

PNR - Passenger Name Record

PTC - Passenger Type Code

TST - Transitional Stored Ticket

RFIC - Reason For Issuance Code

RFISC - Reason for Issuance Sub-Code

SSR - Special Service Request

SVC - Manual Auxiliary Segment

TSM - Transitional Stored MCO

OWD - One Way Display

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