

OrderList 21.3

Implementation guide

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1. Interface Overview

1.1. Description

With order list, airline partners can retrieve the list of orders based on search criteria. This service aims to give a simple way for airline partners to retrieve order when they do not the orderId as reference.

1.2. Current scope

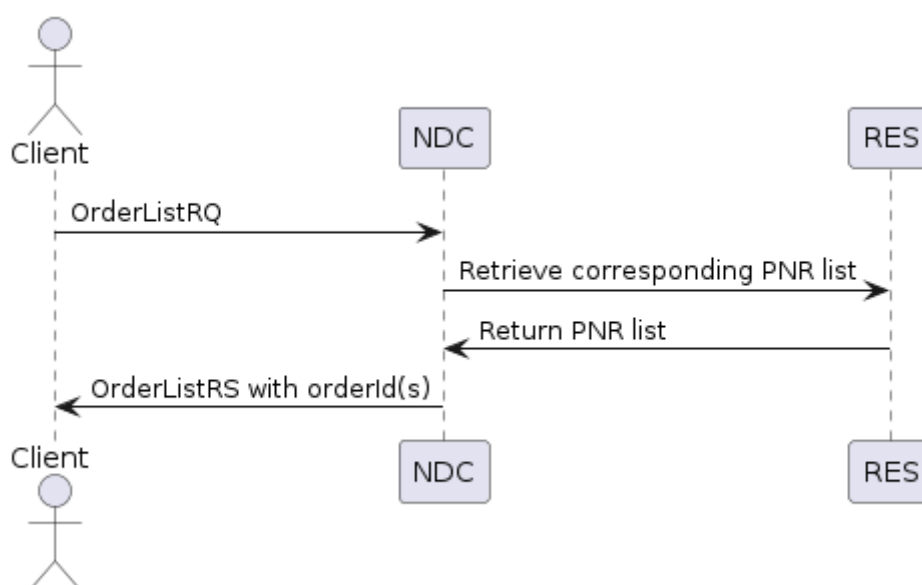
Order list supports to different search criteria:

- search by passenger name.
- search based on seller identification (from DistributionChain node).

1.3. Out of scope

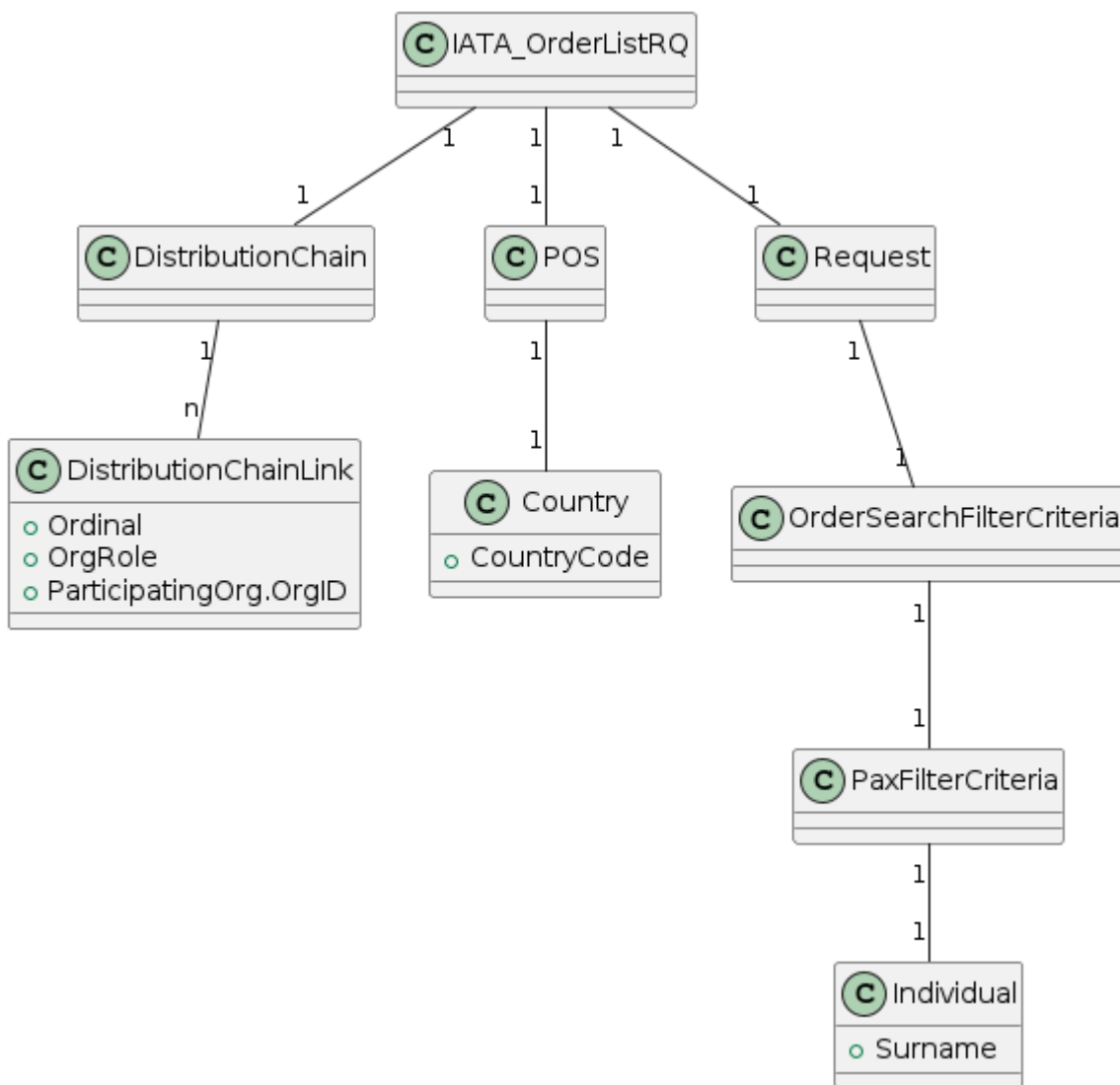
Other type of search is not yet supported

1.4. Sequence diagram



2. Building a query: OrderListRQ

This section describes the implementation of the input message based on the NDC schema version 21.3. Class diagram describing the *OrderListRQ* xml



2.1. Distribution Chain

The distribution chain data must be provided in any input request of the services described above:

Designation	Repetition	Status	Location	Comments
Distribution Chain Link	1...N	M	.../DistributionChain/DistributionChainLink	Defines an organization playing a participating role in an instance of a distribution channel. <u>NB: No more than 3 entities can be considered - a single seller / a single distributor / a single carrier.</u>
Ordinal	1	M	/Ordinal	Position of the organization in the distribution chain. This number indicates the order in which the organization participated. Position starts with "1" following ascending order from the seller to the carrier.
Organization Role	1	M	/OrgRole	Role of the organization participating in the distribution chain defined as follow: <ul style="list-style-type: none"> • Seller - end buyer facing. • Distributor - an intermediary. • Carrier - the responsible supplier.
Contact Info	0...1	O	.../DistributionChain/DistributionChainLink/ContactInfo	The electronic or geographic address provided by an organization as the contact channel
Contact Info ID	1	M	/ContactInfoID	Organization's contact unique Identifier acting as a reference.
Contact Purpose Text	0...1	O	/ContactPurposeText	Fixed value: "STANDARD".
Email	0...1	O	/EmailAddress	
Email Address	1	M	/EmailAddress/EmailAddressText	The seller's email address used for contact purposes. NB: Only used at OrderCreateRQ.
Phone	0...1	O	/Phone	
Type of contact	0...1	O	/Phone/ContactTypeText	Fixed value: "Mobile". NB: Only used at OrderCreateRQ.
Phone number	0...1	O	/Phone/PhoneNumber	The seller's phone number used for contact purposes.
Participating Organization	1	M	.../DistributionChain/DistributionChainLink/ParticipatingOrganization	Organized structure representing the participants.

Designation	Repetition	Status	Location	Comments
			nChainLink/ParticipatingOrg	
Organization Name	0...1	O	/Name	Name of the organization.
Organization ID	1	M	/OrgID	Organization code or identifier. Possible values: <ul style="list-style-type: none"> for Seller: IATA Number, TIDS (Travel Industry Designator Service), AgencyID. (see notes 1 and 2) for Distributor: Unique alphanumeric identifier (3 characters maximum). for Carrier: Airline Code (2 alphanumeric identifier).
Sales Branch	0...1	O	.../DistributionChain/DistributionChainLink/SalesBranch	
Sales Branch ID	1	M	/SalesBranch/SalesBranchID	The industry-wide unique identifier of the sales branch. Commonly, Pseudo City Code may be used or a bilaterally agreed code.

Note (1): The Seller OrgID can be stored as an AgencyID or a IATA_Number for configuration purpose. the logic is the following :

- o If the OrgID is a valid IATA_Number, it is stored as a IATA_Number and as an AgencyID
- o If the OrgID is a TIDS or AgencyID, it is stored as an AgencyID.

Note (2): AgencyID shall be used when partner has no IATA Number nor TIDS and it must be an 8-digit numeric code to be reported to the revenue accounting.

```

<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>

```

Example of DistributionChain

2.2. Payload Attributes

IATA payload standard attributes.

Designation	Repetition	Status	Location	Comments
Message version	0...1	O	.../PayloadAttributes/VersionNumber	The IATA NDC schema we comply with - the version of the message is indicated by a decimal value.

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

Example of Payload Attributes

2.3. POS

The Point of Sale is the information identifying the location and other attributes of the entity performing transactions.

Designation	Repetition	Status	Location	Comments
Country Code	1	M*	.../POS/Country/CountryCode	Country code following ISO 3166 with 2 alpha country code. Examples: FR, US. <i>*Mandatory field for configuration purpose (Agency handling, Reporting, ...).</i>

```
<POS>
  <Country>
    <CountryCode>FR</CountryCode>
  </Country>
</POS>
```

Example of POS

2.4. Request

The following data has to be provided in input of the service:

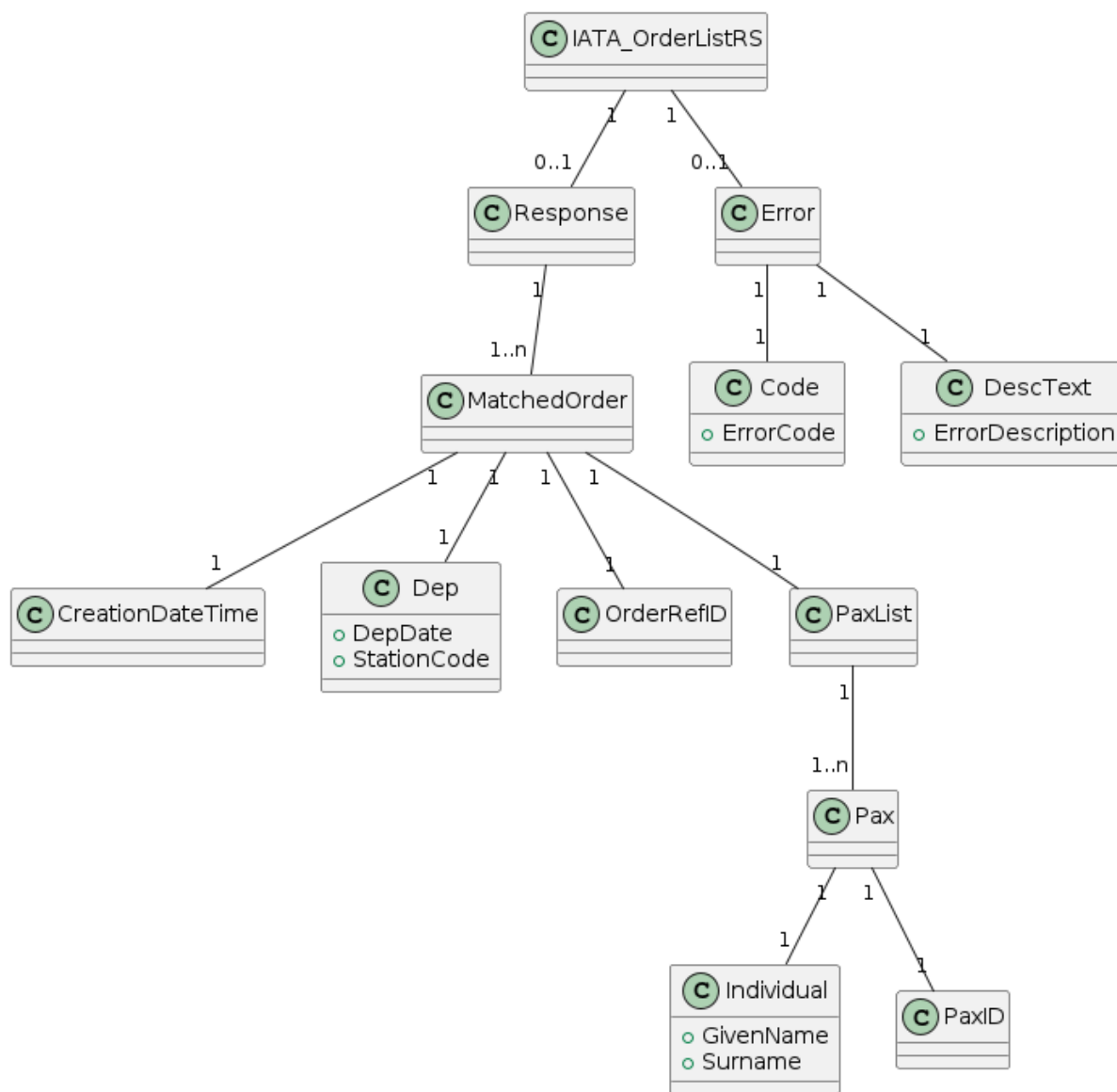
Designation	Repetition	Status	Location
OrderSearch Filter Criteria	1	M	IATA_OrderListRQ/Request/Order SearchFilterCriteria
Surname	1	O	/OrderSearchFilterCriteria/PaxFilterCriteria/Individual/Surname

2.4.1.1.1. Search by passenger name

```
<Request
xmlns="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrdersMessage">
  <OrderSearchFilterCriteria>
    <PaxFilterCriteria>
      <Individual>
        <Surname>SMITH</Surname>
      </Individual>
    </PaxFilterCriteria>
  </OrderSearchFilterCriteria>
</Request>
```

3. Receiving a reply: OrderListRS

This section describes the implementation of the input message based on the **NDC schema version 21.3**.



3.1. MatchedOrder

This field indicates if transaction is successfully completed.

Designation	Repetition	Status	Location	Comments
Order structure	1...N	O	IATA_OrderListR S/Response/Mat chedOrder	
Creation date	1	M	/MatchedOrder/Cr eationDateTime	

Designation	Repetition	Status	Location	Comments
Departure date	1	M	/MatchedOrder/Dep/DepDate	Departure date of first segment in order.
Departure location	1	M	/MatchedOrder/Dep/StationCode	
OrderId	1	M	/MatchedOrder/OrderRefID	
Pax	1	M	/MatchedOrder/PaxList/Pax	Only the first PAX from the order will be returned in PAXList.
Given name	1	M	/MatchedOrder/PaxList/Pax/Individual/GivenName	
Surname	1	M	/MatchedOrder/PaxList/Pax/Individual/Surname	
Pax ID	1	M	/MatchedOrder/PaxList/Pax/PaxID	

3.2. Errors

If a blocking error occurs during the process, the error structure is returned in response:

Designation	Repetition	Status	Location	Comments
Error structure	1	M	IATA_OrderListRS/Error	
Error code	1	M	/Error/Code	
Error message	1	M	/Error/DescText	
Error message language code	1	M	/Error/LangCode	
Error type code	1	M	/Error/TypeCode	

3.2.1.1.1. Example error

```
<IATA_OrderListRS>  
  <Error>  
    <Code>911</Code>  
    <DescText>NO ORDER FOUND</DescText>  
    <LangCode>EN</LangCode>  
    <TypeCode>E</TypeCode>  
  </Error>  
</IATA_OrderListRS>
```

4. Examples

4.1. OrderListRQ search by name

```

<IATA_OrderListRQ>
  <DistributionChain>
    <DistributionChainLink>
      <Ordinal>0</Ordinal>
      <OrgRole>Seller</OrgRole>
      <ParticipatingOrg>
        <OrgID>12345678</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
    <DistributionChainLink>
      <Ordinal>1</Ordinal>
      <OrgRole>Distributor</OrgRole>
      <ParticipatingOrg>
        <OrgID>1A</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
    <DistributionChainLink>
      <Ordinal>2</Ordinal>
      <OrgRole>Carrier</OrgRole>
      <ParticipatingOrg>
        <OrgID>6X</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
  </DistributionChain>
  <POS>
    <Country>
      <CountryCode>FR</CountryCode>
    </Country>
  </POS>
  <Request>
    <OrderSearchFilterCriteria>
      <PaxFilterCriteria>
        <Individual>
          <Surname>SMITH</Surname>
        </Individual>
      </PaxFilterCriteria>
    </OrderSearchFilterCriteria>
  </Request>
</IATA_OrderListRQ>

```

4.2. OrderListRQ search my own orders

```

<IATA_OrderListRQ>
  <DistributionChain>
    <DistributionChainLink>
      <Ordinal>0</Ordinal>
      <OrgRole>Seller</OrgRole>
      <ParticipatingOrg>
        <OrgID>12345678</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
    <DistributionChainLink>
      <Ordinal>1</Ordinal>
      <OrgRole>Distributor</OrgRole>
      <ParticipatingOrg>
        <OrgID>1A</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
    <DistributionChainLink>
      <Ordinal>2</Ordinal>
      <OrgRole>Carrier</OrgRole>
      <ParticipatingOrg>
        <OrgID>6X</OrgID>
      </ParticipatingOrg>
    </DistributionChainLink>
  </DistributionChain>
  <POS>
    <Country>
      <CountryCode>FR</CountryCode>
    </Country>
  </POS>
  <Request>
    <OrderSearchFilterCriteria/>
  </Request>
</IATA_OrderListRQ>

```

4.3. OrderlistRS

```

<IATA_OrderListRS>
  <Response>
    <MatchedOrder>
      <CreationDateTime>2021-12-17T09:30:00Z</CreationDateTime>
      <Dep>
        <DepDate>2021-11-01</DepDate>
        <StationCode>NYK</StationCode>
      </Dep>
      <OrderRefID>6X61NEW4G3W7600</OrderRefID>
      <PaxList>
        <Pax>
          <Individual>
            <GivenName>JANE</GivenName>
            <Surname>SMITH</Surname>
          </Individual>
          <PaxID>PAX2</PaxID>
        </Pax>
      </PaxList>
    </MatchedOrder>
    <MatchedOrder>
      <CreationDateTime>2021-11-05T11:00:00Z</CreationDateTime>
      <Dep>
        <DepDate>2021-12-21</DepDate>
        <StationCode>NCE</StationCode>
      </Dep>
      <OrderRefID>6X_NLTZQT</OrderRefID>
      <PaxList>
        <Pax>
          <Individual>
            <GivenName>JOHN</GivenName>
            <Surname>SMITH</Surname>
          </Individual>
          <PaxID>PAX2</PaxID>
        </Pax>
      </PaxList>
    </MatchedOrder>
  </Response>
</IATA_OrderListRS>

```

5. Legal disclaimer

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