OrderChange 21.3 Implementation guide

AMADEUS

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Interface Overview

Description

The OrderChangeRQ/OrderViewRS allows to add/remove/update an element to an existing order. The scope of these elements is defined in the following section.

Current Scope

Are considered in the scope of the current Altea NDC release :

- Pending order confirmation (payment and issuance of Tickets/EMDs)

- Confirmation of OB fees re-computation

Limitations

Here are the limitations related to the current Altea NDC release:

- Only one FOP is accepted per requestSupported flows
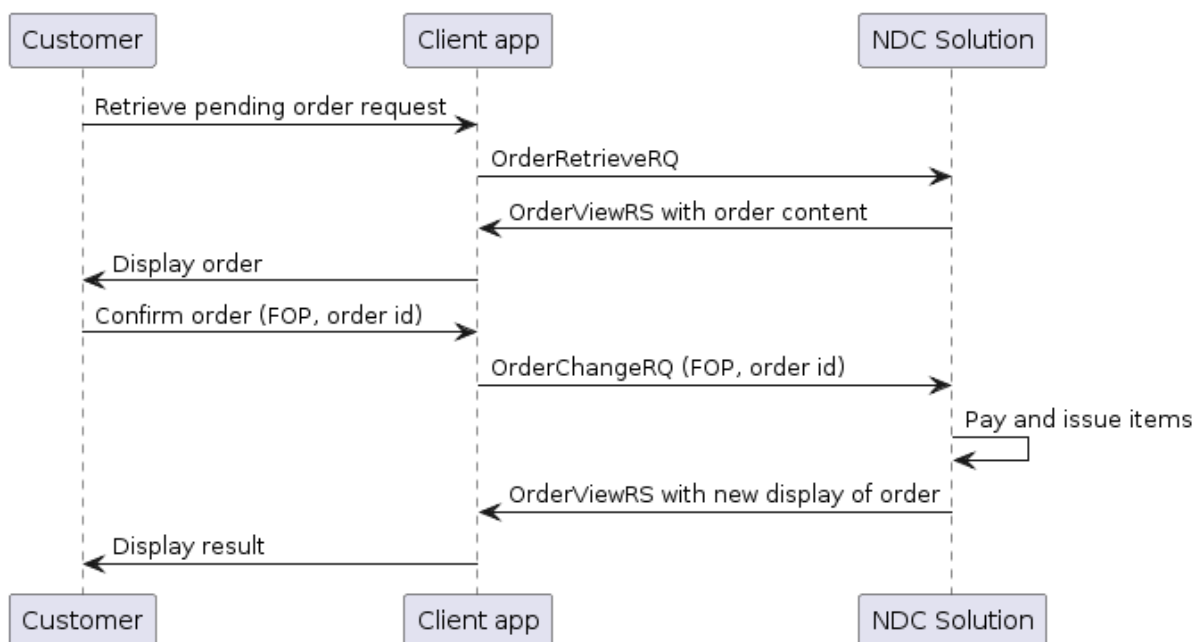
Use case: Confirm pending order

Conditions

Request composed of Order and PaymentFunctions parts and that's all

Prerequisites

- The OrderCreate request has been run successfully to book an order, without payment.

Flow

Building a Query: OrderChangeRQ

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

DistributionChain

This is described in [Shared 21.3 Implementation guide](link)

Point of sale

This part is described in this page : [Shared 21.3 Implementation guide](link)

Request

Order

This structure contains the passengers to be sub-divided into a child Order. The passenger and segment IDs used should be taken from the previous message (OrderViewRS).

Designation	Repetition	Status	Location	Comments
Order	1	M	/Request/Order	Uniquely identified record containing all information about the booking
OrderID	1	M	/Request/Order/OrderID	Identifier of the Order
OwnerCode	1	M	/Request/Order/OwnerCode	IATA code assigned to the carrier

Payments

Forms of payment are listed in the PaymentInfo element. Only one form of payment is accepted per request.

Design ation	Re pet itio n	St at u s	Location	Comments
Payment Info	0..N	O	/Request/PaymentFunctions	
OrderAssociation	0..1	O	/Request/PaymentFunctions/OrderAssociation	
OrderRefID	1	M	/Request/PaymentFunctions/OrderAssociation/OrderRefID	
Amount	1	M	/Request/PaymentFunctions/PaymentProcessing Details/Amount	The amount for this FOP. Mandatory for the processing. The "CurCode" attribute is used to give the currency
Credit card details				
Payment Method	1	M	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod	Selection of the payment method
Payment Card	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard	Payment Card Method
CardBrandCode	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardBrandCode	This is the type of the payment card (CA, VI...).
CardholderAdress	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress	
CityName	0..1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress/PostalCityName	
Country Code	0..1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress/CountryCode	
Country SubDivisionName	0..1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress/CountrySubDivisionName	Example: New York
PostalCode	0..1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress/PostalCode	
StreetText	0..2	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardholderAddress/StreetText	

Design ation	Re pet itio n	St at u s	Location	Comments
CardHol derNam e	0.. 1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardHolde rName	
CardNu mber	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardNum ber	Credit card number
CardSec urityCod e	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/CardSecur ityCode	Verification digits (ex: 123)
Approval Code	1	O	**Dedicated augmentation point to be created**	Credit card external approval code. Should be allowed via configuration.
Expiratio nDate	1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/PaymentCard/Expiration Date	Credit card expiry date
Cash				
Settlem entPlanx	0.. 1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/OfflinePayment	Used to indicate payment in cash.
Payment TypeCod e	1	M	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/OfflinePayment/Paymen tTypeCode	
Other (freetext methods of payment)				
OtherPa ymentM ethod	0.. 1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/OfflinePayment	Used for freetext methods of payment. The Fopcode is taken from the TypeCode tag.
Remark Text	0.. 1	O	/Request/PaymentFunctions/PaymentProcessing Details/PaymentMethod/OfflinePayment/Remark/ RemarkText	Freetext value for the freetext methof of payment.

Receiving a Reply: OrderViewRS

An OrderViewRS message is sent in response to the OrderChangeRQ.

Please refer to the OrderRetrieve 21.3 Implementation guide for the implementation of this message.

Troubleshooting

Please refer to Troubleshooting chapter in OrderCreate Implementation guide: OrderCreate 21.3 Implementation guide.

376 TST EXPIRED - OVERRIDE OR DELETE AND REPRICE - in case of deferred payment and TST has expired.

Detailed use cases

Use case 1 : Deferred payment : Pay and finalize a pending order

Use case description

The OrderChangeRQ is sent to pay an order.

Preconditions

The order contains an itinerary that is not paid yet.

```xml
<n1:IATA_OrderChangeRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrdersMessage"
xmlns="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrdersCommonTypes"
xsi:schemaLocation="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrders
Message file:///C:/Bitbucket/ndc-grammar-generated/xml-messages-
ndc/src/main/schemas/IATA/2021.3/IATA_OrderChangeRQ.xsd">
    <n1:DistributionChain>
        <DistributionChainLink >
            <Ordinal>1</Ordinal>
            <OrgRole>Seller</OrgRole>
            <ParticipatingOrg>
                <OrgID>12345678</OrgID>
            </ParticipatingOrg>
        </DistributionChainLink>
        <DistributionChainLink>
            <Ordinal>2</Ordinal>
            <OrgRole>Carrier</OrgRole>
            <ParticipatingOrg>
                <OrgID>6X</OrgID>
            </ParticipatingOrg>
        </DistributionChainLink>
    </n1:DistributionChain>
    <n1:POS>
        <Country>
            <CountryCode>FR</CountryCode>
        </Country>
    </n1:POS>
    <n1:Request>
        <Order>
            <OrderID>6X123A1B2C300</OrderID>
            <OwnerCode>6X</OwnerCode>
        </Order>
        <PaymentFunctions>
            <OrderAssociation>
                <OrderRefID>6X123A1B2C300</OrderRefID>
            </OrderAssociation>
            <PaymentProcessingDetails>
                <Amount CurCode="EUR">100.00</Amount>
                <PaymentMethod>
                    <PaymentCard>
                        <CardBrandCode>CA</CardBrandCode>
                        <CardholderAddress>
                            <CityName>Paris</CityName>
                            <CountryCode>FR</CountryCode>
                            <PostalCode>75001</PostalCode>
                            <StreetText>Avenue des Champs Elysées</StreetText>
                        </CardholderAddress>
                        <CardHolderName>Jack</CardHolderName>
                        <CardNumber>4000879865438798</CardNumber>
                        <CardSecurityCode>123</CardSecurityCode>
                        <ExpirationDate>1228</ExpirationDate>
                    </PaymentCard>
                </PaymentMethod>
```

```
                    </PaymentProcessingDetails>
              </PaymentFunctions>
         </n1:Request>
    </n1:IATA_OrderChangeRQ>
```

Table 1 OrderChangeRQ to pay for a pending order with CC

```xml
<n1:IATA_OrderChangeRQ xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xmlns:n1="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrdersMessage"
xmlns="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrdersCommonTypes"
xsi:schemaLocation="http://www.iata.org/IATA/2015/EASD/00/IATA_OffersAndOrders
Message file:///C:/Bitbucket/ndc-grammar-generated/xml-messages-
ndc/src/main/schemas/IATA/2021.3/IATA_OrderChangeRQ.xsd">
    <n1:DistributionChain>
        <DistributionChainLink >
            <Ordinal>1</Ordinal>
            <OrgRole>Seller</OrgRole>
            <ParticipatingOrg>
                <OrgID>12345678</OrgID>
            </ParticipatingOrg>
        </DistributionChainLink>
        <DistributionChainLink>
            <Ordinal>2</Ordinal>
            <OrgRole>Carrier</OrgRole>
            <ParticipatingOrg>
                <OrgID>6X</OrgID>
            </ParticipatingOrg>
        </DistributionChainLink>
    </n1:DistributionChain>
    <n1:POS>
        <Country>
            <CountryCode>FR</CountryCode>
        </Country>
    </n1:POS>
    <n1:Request>
        <Order>
            <OrderID>6X123A1B2C300</OrderID>
            <OwnerCode>6X</OwnerCode>
        </Order>
        <PaymentFunctions>
            <OrderAssociation>
                <OrderRefID>6X123A1B2C300</OrderRefID>
            </OrderAssociation>
            <PaymentProcessingDetails>
                <Amount CurCode="EUR">100.00</Amount>
                <PaymentMethod>
                    <OfflinePayment>
                        <PaymentTypeCode>CA</PaymentTypeCode>
                    </OfflinePayment>
                </PaymentMethod>
            </PaymentProcessingDetails>
        </PaymentFunctions>
    </n1:Request>
</n1:IATA_OrderChangeRQ>
```

Table 2 OrderChangeRQ to pay for a pending order with cash

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

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