Masterpiece is born when dedication meets expertise

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Sirena-Travel structure

Sirena-Travel
Distribution, Aviation, Bus, and Railway services, Integrated software for airline’s business activities
19 years in business

Comtech-N
Development of GDS, PSS, CRS, NDC systems

International Payment
Payment technologies for purchasing transportation services

New Studio
B2B and B2C systems for travel services sale

Megatech
Systems supporting tour operators’ and travel agencies’ businesses

Passenger services

Over 41 million of sold tickets in 2018

17,000 of terminals in more than 7,000 sales offices

56 airlines - Passenger service management

Over 200 airlines - Distribution services

Over 280 Airports in Russia (246) and abroad (34). Check-in and departure control

Over 600 travel agencies

Over 200 e-commerce websites
Current Achievements

2x International Airlines

20+ Domestic Airlines

NDC Aggregator

pre-LIVE

Saint-Petersburg
Agency #1
2M

Moscow
Agency #2
3M
Aggregator observations (technical)

- Decimal
- Offer Owners
- Cabin Preferences
- Schema Modification
CurrencyMetadata/Decimals

Content Provider 1

```xml
<AirShoppingRS Version="17.2" xmlns="http://www.iana.org/TATA/EDIST/2017.2">
  <Document>...</Document>
  <Success/>
  <ShoppingResponseID>...</ShoppingResponseID>
  <OffersGroup>
    <AirlineOffers>
      <Offer OfferID="OF123" Owner="XX" RequestedDateInd="true">
        <OfferExpirationDateTime>2019-09-13T18:29:57.690Z</OfferExpirationDateTime>
        <PaymentTimeLimitDateTime>2019-09-16T23:59:59.000Z</PaymentTimeLimitDateTime>
        <TotalPrice>
          <SimpleCurrencyPrice Code="EUR">167.91</SimpleCurrencyPrice>
          <TotalPrice>
            <OfferItem OfferItemID="OF123-01-I">...</OfferItem>
            </TotalPrice>
          </OfferItem>
        </OfferItem>
      </AirlineOffers>
    </OffersGroup>
    <Datalists>...<Datalists>
    <Metadata>
      <Other>
        <OtherMetadata>
          <CurrencyMetadata MetadataKey="EUR">
            <Decimals>2</Decimals>
          </CurrencyMetadata>
        </OtherMetadata>
        </Other>
      </Metadata>
    </AirShoppingRS>
```

Content Provider 2

```xml
<AirShoppingRS Version="17.2">
  <Document>...</Document>
  <Success/>
  <ShoppingResponseID>...</ShoppingResponseID>
  <OffersGroup>
    <AirlineOffers>
      <Offer OfferID="Offer-1" Owner="YY">
        <Timelines>
          <OfferExpiration DateTime="2020-01-13T12:36:52Z"/></OfferExpiration>
          <Payment DateTime="2020-01-16T15:06:00"/></Payment>
          </Timelines>
          <TotalPrice>
            <DetailCurrencyPrice>
              <Total Code="EUR">19106</Total>
              </DetailCurrencyPrice>
            </TotalPrice>
            <OfferItem OfferItemID="Offer-1-1" MandatoryInd="true">...</OfferItem>
            </Offer>
          </AirlineOffers>
    </OffersGroup>
    <Datalists>...<Datalists>
    <Metadata>
      <Other>
        <OtherMetadata>
          <CurrencyMetadata MetadataKey="EUR">
            <Decimals>2</Decimals>
          </CurrencyMetadata>
        </OtherMetadata>
        <OtherMetadata>
          <CurrencyMetadata MetadataKey="EUR">
            <Decimals>2</Decimals>
          </CurrencyMetadata>
        </OtherMetadata>
        </Other>
      </Metadata>
    </AirShoppingRS>
```
Owners issue

IT Provider XX provides offers of A1, A2 and A3 airlines. These airlines belong to AAG Group of Airlines

Correct behavior

Incorrect behavior
Owners issue
Owners issue
Cabin Preference
Schema Modification

taken from NDC 18.1 version
How It Works

Inventory

Airline
- Airline Inventory
- Leonardo
- Schedule
- Inventory
- Fares
- Business rules
- Media content

Партнеры

NDC IT-Provider Sirena

- Dynamic pricing
- Personal services
- Service packages
- Demand forecast and appropriate offers
- One order for all services (avia and partners')

NDC IT-Provider Airline

Airline website

NDC protocol

Travel agencies

NDC protocol

Tour operators

NDC protocol

Search engines

NDC Aggregator

Travel agencies

Tour operators

Search engines

There is NO need for fares and schedule in external systems as well as for any external settlement payments!