

AirFrance KLM - OrderCreate

This document describes the AirFrance KLM OrderCreate service

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| Document Version: | 1.0 |
| Document Status: | Approved |
| Date of last Update: | 12/16/2019 |
| Document Location: | |

Revision History

| Date | Version | Summary of Changes |
|------|---------|----------------------------------|
| | 1.0 | Document 1 st release |
| | | |

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1. Overview

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| Goal: |
| <p>AFKL order creation message corresponds to the IATA NDC "OrderCreate" schema version 18.2.</p> <p>It allows to create a booking from a selected offer, within the offer time limit. The seller selects an offer, completes with passenger information and confirms it</p> <p>In response the seller receives an order with all booking details and payment options.</p> <p><i>This service does not allow payment and ticket issuance, only creating the booking. Payment and ticket issuance can be performed via OrderChange message.</i></p> |
| Result(s): |
| <p>OrderCreate returns a detailed order including:</p> <ul style="list-style-type: none"> ▪ Order status ▪ Order details ▪ Forms of Payment (with surcharges if applicable) |
| SCOPE – IN |
| <p>Request :</p> <ul style="list-style-type: none"> ▪ Must include Offer ID <p>Results:</p> <ul style="list-style-type: none"> ▪ Order ID/Order Items/Order status ▪ Price and tax breakdown ▪ Flights details ▪ Fare conditions ▪ Checked in baggage allowance ▪ Fare type indicator ▪ Payment options |
| Interaction Type: |
| Request/Reply |
| Pre-Condition(s): |
| An offer has been selected by the seller from the shopping reply provided and thus he requests to convert this offer into an order. |
| Post-Condition(s): |
| N/A |
| Support Process |
| <ol style="list-style-type: none"> 1. If any issues are encountered on the services, the third party support will do a 1st analysis to exclude a problem on third party side 2. If the issue comes from AFKL, the third party support will raise an incident ticket to AFKL support. 3. AFKL support will analyse and resolve the issue and revert to the Third Party |

2. Invocation

This service is triggered by a request received from an external actor (travel agency, aggregator etc.).

2.1. OrderCreateRQ

M = Mandatory; O = Optional; C = Conditional

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|--------------------|--------|------|--------|---|---------|---|
| 1 | IATA_OrderCreateRQ | struct | 1 | | | | |
| 2 | Party | struct | 1 | | | | |
| 3 | Participant | struct | 0..* | | | | |
| 4 | Aggregator | struct | 0..* | | | | |
| 5 | AggregatorID | string | 1 | | | NDCABT | Identifier of the aggregator organization. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | Name | string | 0..1 | | | NDCABT | Aggregator Name. Example: Farelogix. BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 3 | Recipient | struct | 0..1 | | | | |
| 4 | ORA | struct | 0..1 | | | | |
| 5 | AirlineDesigCode | string | 1 | | {[A-Z]{3}} [A-Z]{2} ([0-9][A-Z]) ([A-Z][0-9]) | AF | Airline code assigned to a carrier. Either ICAO-defined 3-character code or IATA-defined 2-character code. Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |
| 3 | Sender | struct | 1 | | | | |
| 4 | TravelAgency | struct | 1 | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-------------------|--------|------|--------|---------|-------------|--|
| 5 | AgencyID | string | 0..1 | | | 12345675 | Unique Agency Seller ID. Example: CTRV An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | ContactInfoRefID | string | 0..* | | | CTCO | Reference to a ContactInfoRefID. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | IATANumber | string | 0..1 | | | 12345675 | IATA-assigned agency number. Example: 98417900 |
| 5 | Name | string | 0..1 | | | AGENCE TEST | Agency name. Example: Carson Travel BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 5 | PseudoCityID | string | 0..1 | | | PAR | An identifier for a corporate user of a computer reservation system (CRS) or global distribution system (GDS), typically a travel agency. Also known as Office ID. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 2 | PayloadAttributes | struct | 0..1 | | | | |
| 3 | CorrelationID | string | 0..1 | | | 5 | Allow end-to-end correlation of log messages with the corresponding Web service message throughout the processing of the Web service message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-------------------|---------|------|--------|---|--------------------------------------|--|
| 3 | VersionNumber | decimal | 1 | | | 18.2 | For all IATA versioned messages, the version of the message is indicated by a decimal value. A mathematical number that is assigned or is determined by calculation. |
| 2 | Request | struct | 1 | | | | |
| 3 | CreateOrder | struct | 0..1 | | | | |
| 4 | SelectedOffer | struct | 1..* | | | | |
| 5 | OfferRefID | string | 1 | | | e6858af6-fede-4f59-858a-f6fede9f0001 | Reference to the OfferID of the selected Offer (either a standard Offer or an a-la-carte Offer) returned in a previous shopping response. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | OwnerCode | string | 1 | | ([A-Z]{3} [A-Z]{2}) ([0-9][A-Z]) ([A-Z][0-9]) | AF | Designator of Airline that owns/ assigned these IDs. Examples: BA Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |
| 5 | SelectedOfferItem | struct | 1..* | | | | |
| 6 | OfferItemRefID | string | 1 | | | ae0cd239-eca9-4a0a-8cd2-39eca90a0aeb | Reference to the OfferItemID of the selected OfferItem (contained in either a standard Offer or an a-la-carte Offer) returned in a previous shopping response. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-----------------------|--------|------|--------|---------|--|--|
| 6 | PaxRefID | string | 1..* | | | PAX1 | Reference to passenger(s) for which this OfferItem and selected Services (in case of Service Bundles) applies. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | ShoppingResponseRefID | string | 1 | | | NOT USED | Reference to unique shopping session response ID, as provided in the airline's previous shopping response. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 3 | DataLists | struct | 0..1 | | | | |
| 4 | ContactInfoList | struct | 0..1 | | | | |
| 5 | ContactInfo (Form 1) | struct | 1..* | | | | |
| 6 | ContactInfoID | string | 0..1 | | | CTC1 | Uniquely Identifies a set of Contact Information, within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | EmailAddress | struct | 0..* | | | | |
| 7 | EmailAddressText | string | 1 | | | ADT@mail.fr | The email address which should be used for contact purposes. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 6 | Phone | struct | 0..* | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|----------------------|---------|------|--------|---------|--|---|
| 7 | PhoneNumber | decimal | 0..1 | | | 3,304E+11 | Phone number text. Examples: +1 999-999-9999 ext 1234, 617-9976 Note: This may be a simple, un-structured phone number, such as +01 999-999-9999 ext 1234 or combined with the additional attributes to create a structured phone number. A mathematical number that is assigned or is determined by calculation. |
| 5 | ContactInfo (Form 2) | struct | 1..* | | | | |
| 6 | ContactInfoID | string | 0..1 | | | CTCO | Uniquely Identifies a set of Contact Information, within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | EmailAddress | struct | 0..* | | | | |
| 7 | EmailAddressText | string | 1 | | | 67103f3ee83c7b11@airfrance.fr | The email address which should be used for contact purposes. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 6 | Phone | struct | 0..* | | | | |
| 7 | PhoneNumber | decimal | 0..1 | | | 3,304E+11 | Phone number text. Examples: +1 999-999-9999 ext 1234, 617-9976 Note: This may be a simple, un-structured phone number, such as +01 999-999-9999 ext 1234 or combined with the additional attributes to create a structured phone number. A mathematical number that is assigned or is determined by calculation. |
| 4 | PaxList | struct | 0..1 | | | | |
| 5 | Pax | struct | 1..* | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|------------------|--------|------|--------|---------|------------|--|
| 6 | ContactInfoRefID | string | 0..1 | | | CTC1 | Reference to a Contact Info ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | Individual | struct | 0..1 | | | | |
| 7 | Birthdate | date | 0..1 | | | 06/10/1989 | The date on which an individual was born. A date is a Gregorian calendar representation in various common resolutions: year, month, week, day. |
| 7 | GivenName | string | 0..5 | | | ADTB | A personal name given to the individual at birthday and used before family name. Also called first name. E.g. JOHN. BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 7 | IndividualID | string | 1 | | | ID1 | Uniquely identifies an individual within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 7 | Surname | string | 1 | | | TEST | Individual's hereditary name(s) common to all members of a family. Also known as family name or last name. E.g. SMITH. Excludes any potential suffix. BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-----------|--------|------|--------|---------|---------|---|
| 7 | TitleName | string | 0..1 | | | MR | A word such as Mr., Mrs., Miss or Dr that is used before an individual's name to indicate the gender, profession or marital status. BDT with value constraints for short supplements to proper names, such as Title, Suffix, etc. |
| 6 | PaxID | string | 1 | | | PAX1 | Uniquely identifies a Passenger within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | PTC | string | 0..1 | | | ADT | Type code applying to the Passenger which typically drives pricing (e.g. ADT, CHD, etc). Additional BDT to specify the type code codeset applying to a Passenger. |

2.2. OrderCreateRS

M = Mandatory; O = Optional; C = Conditional

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|----------------------|---------|----------|--------|---------|----------|--|
| 1 | IATA_OrderViewRS | struct | 1 | | | | |
| 2 | Response | struct | 1 | | | | |
| 3 | DataLists | struct | 0. .1 | | | | |
| 4 | BaggageAllowanceList | struct | 0. .1 | | | | |
| 5 | BaggageAllowance | struct | 1. .* | | | | |
| 6 | BaggageAllowanceID | string | 1 | | | BA2 | Unique identifier of this Baggage Allowance. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | PieceAllowance | struct | 0. .* | | | | |
| 7 | ApplicablePartyText | string | 1 | | | Traveler | Baggage weight restriction application. Examples: Party, Traveler. Party applies to all Travelers. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 7 | TotalQty | decimal | 1 | | | 0 | |
| 6 | TypeCode | string | 1 | | | Checked | Type of Baggage Allowance. E.g. Checked or CarryOn. Additional BDT to specify baggage type code. |
| 4 | ContactInfoList | struct | 0. .1 | | | | |
| 5 | ContactInfo | struct | 1. .* | | | | |
| 6 | ContactInfoID | string | 0. .1 | | | CTC1 | Uniquely Identifies a set of Contact Information, within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | EmailAddress | struct | 0. .* | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|------------------|---------|----------|--------|---------|--|---|
| 7 | EmailAddressText | string | 1 | | | adt@mail.fr | The email address which should be used for contact purposes. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 6 | Phone | struct | 0. * | | | | |
| 7 | PhoneNumber | decimal | 0. .1 | | | 3,304E+11 | Phone number text. Examples: +1 999-999-9999 ext 1234, 617-9976 Note: This may be a simple, unstructured phone number, such as +01 999-999-9999 ext 1234 or combined with the additional attributes to create a structured phone number. A mathematical number that is assigned or is determined by calculation. |
| 4 | OriginDestList | struct | 0. .1 | | | | |
| 5 | OriginDest | struct | 1. * | | | | |
| 6 | DestCode | string | 1 | 3 | | CDG | IATA defined code identifying a city or station. Additional BDT to specify the codeset which defines the IATA airport or city codes. |
| 6 | OriginCode | string | 1 | 3 | | JNB | IATA defined code identifying a city or station. Additional BDT to specify the codeset which defines the IATA airport or city codes. |
| 6 | OriginDestID | string | 0. .1 | | | OD2 | Uniquely identifies an Origin Destination within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | PaxJourneyRefID | string | 0. * | | | PJ2 | Uniquely identifies a Passenger Journey within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | PaxJourneyList | struct | 0. .1 | | | | |
| 5 | PaxJourney | struct | 1. * | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|------------------|----------|----------|--------|---------|--------------------------|---|
| 6 | Duration | duration | 0. .1 | | | POYOMODT14H45M0 .000S | Total journey time including the combined air time and connection times. In case of stopover, this may or may not include stopover durations. A duration is the specification of a length of time without a fixed start or end time, expressed in Gregorian calendar time units (Year, Month, Week, or Day) and Hours, Minutes or Seconds |
| 6 | PaxJourneyID | string | 0. .1 | | | PJ2 | Uniquely identifies a Passenger Journey within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | PaxSegmentRefID | string | 1. .* | | | SEG2 | Reference to a Passenger Segment ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | PaxList | struct | 0. .1 | | | | |
| 5 | Pax | struct | 1. .* | | | | |
| 6 | ContactInfoRefID | string | 0. .1 | | | CTC1 | Reference to a Contact Info ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | Individual | struct | 0. .1 | | | | |
| 7 | Birthdate | date | 0. .1 | | | 06/10/1989 | The date on which an individual was born. A date is a Gregorian calendar representation in various common resolutions: year, month, week, day. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|--------------|--------|----------|--------|---------|---------|--|
| 7 | GivenName | string | 0. .5 | | | ADTB | A personal name given to the individual at birth and used before family name. Also called first name. E.g. JOHN. BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 7 | IndividualID | string | 1 | | | ID1 | Uniquely Identifies an Individual within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 7 | Surname | string | 1 | | | TEST | Individual's hereditary name(s) common to all members of a family. Also known as family name or last name. E.g. SMITH. Excludes any potential suffix. BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 7 | TitleName | string | 0. .1 | | | MR | A word such as Mr., Mrs., Miss or Dr that is used before an individual's name to indicate the gender, profession or marital status. BDT with value constraints for short supplements to proper names, such as Title, Suffix, etc. |
| 6 | PaxID | string | 1 | | | PAX1 | Uniquely identifies a Passenger within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | PTC | string | 0. .1 | | | ADT | Type code applying to the Passenger which typically drives pricing (e.g. ADT, CHD, etc). Additional BDT to specify the type code codeset applying to a Passenger. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|---------------------------|----------|----------|--------|-------------|---------------------|--|
| 4 | PaxSegmentList | struct | 0. .1 | | | | |
| 5 | PaxSegment | struct | 1. .* | | | | |
| 6 | Arrival | struct | 1 | | | | |
| 7 | AircraftScheduledDateTime | dateTime | 0. .1 | | | 2019-11-11T13:40:00 | The Scheduled Date and Time of Arrival of the aircraft at the terminal or departure gate at an airport. A date time identifies a date and time of day to various common resolutions: year, month, week, day, hour, minute, second, and fraction of second. |
| 7 | IATALocationCode | string | 0. .1 | 3 | | CDG | IATA defined code identifying a city or station. Additional BDT to specify the codeset which defines the IATA airport or city codes. |
| 7 | TerminalName | string | 0. .1 | | | 2F | The name of the terminal. A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept |
| 6 | DatedOperatingLeg | struct | 0. .* | | | | |
| 7 | Arrival | struct | 1 | | | | |
| 7 | ChangeofGaugeInd | boolean | 0. .1 | | | FALSE | When TRUE, indicates a Change of Gauge will take place between the current leg and that which immediately precedes it. An indicator is a list of two mutually exclusive Boolean values that express the only possible states of a property. |
| 7 | DatedOperatingLegID | string | 0. .1 | | | LEG3 | Uniquely identifies a leg within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 7 | Dep | struct | 1 | | | | |
| 7 | IATAAircraftType | struct | 0. .1 | | | | |
| 8 | IATAAircraftTypeCode | string | 0. .1 | | [0-9A-Z]{3} | 73H | Code assigned to an aircraft type in IATA SSIM. Specifies the IATA defined code of an aircraft type. |
| 6 | Dep | struct | 1 | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|----------------------------------|----------|----------|--------|---|---------------------|--|
| 7 | AircraftScheduledDateTime | dateTime | 0. .1 | | | 2019-11-11T12:25:00 | The Scheduled Date and Time of Departure of the aircraft at the terminal or departure gate at an airport. A date time identifies a date and time of day to various common resolutions: year, month, week, day, hour, minute, second, and fraction of second. |
| 7 | IATALocationCode | string | 0. .1 | 3 | | AMS | IATA defined code identifying a city or station. Additional BDT to specify the codeset which defines the IATA airport or city codes. |
| 7 | TerminalName | string | 0. .1 | | | 2F | The name of the terminal. A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept |
| 6 | MarketingCarrierInfo | struct | 1 | | | | |
| 7 | CarrierDesigCode | string | 1 | | ([A-Z]{3} [A-Z]{2}) ([0-9][A-Z]) ([A-Z][0-9]) | KL | Airline code assigned to a carrier. Either ICAO-defined 3-character code or IATA-defined 2-character code. Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |
| 7 | MarketingCarrierFlightNumberText | string | 1 | | | 1233 | The numerical designation of a flight as it is marketed by a carrier. Identifies a flight number. 1 to 4 digits. May or may not have leading zeros when less than 4 digits. The use of leading zeros does not create a different Flight Number. For example, Flight Numbers 123 and 0123 are the same. |
| 6 | OperatingCarrierInfo | struct | 0. .1 | | | | |
| 7 | CarrierDesigCode | string | 0. .1 | | ([A-Z]{3} [A-Z]{2}) ([0-9][A-Z]) ([A-Z][0-9]) | KL | Airline code assigned to a carrier. Either ICAO-defined 3-character code or IATA-defined 2-character code. Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-----------------------|--------|----------|--------|---------|---------|--|
| 6 | PaxSegmentID | string | 1 | | | SEG3 | Uniquely identifies a Passenger Segment within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | PriceClassList | struct | 0. .1 | | | | |
| 5 | PriceClass | struct | 1. .* | | | | |
| 6 | CabinType | struct | 0. .* | | | | |
| 7 | CabinTypeCode | string | 0. .1 | | | M | Cabin Type Code as defined by PADIS codeset (e.g. 1, 2, 3, etc.) Additional BDT to specify the Cabin Type Code as defined by PADIS. * TEMPORARY NOTE MT : NEED TO CREATE ENUM TO BE REFERENCED FROM BDT CON * |
| 7 | CabinTypeName | string | 0. .1 | | | ECONOMY | Name given to a cabin compartment (e.g. Business, First, Economy). A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept |
| 6 | FareBasisCode | string | 0. .1 | | | XLPLFR | Fare basis code. Example: Y26 A code is a character string of letters, numbers, special characters (except escape sequences), and symbols. |
| 6 | Name | string | 1 | | | Light | Price class name. Example: SUPERSAVER BDT with value constraints for proper, regular names (e.g. Individual Surname, Individual First Name, Company Name, etc.). |
| 6 | PriceClassID | string | 0. .1 | | | PC2 | Uniquely Identifies a Price Class within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | ServiceDefinitionList | struct | 0. .1 | | | | |
| 5 | ServiceDefinition | struct | 1. .* | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|------------------------------|--------|----------|--------|---|--------------|---|
| 6 | Desc | struct | 1. .* | | | | |
| 7 | DescText | string | 0. .1 | | | Bag Included | Description text value. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 6 | Name | string | 1 | | | Bag Included | Service name. Example: Lounge Pass A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept |
| 6 | ServiceDefinitionAssociation | struct | 0. .1 | | | | |
| 7 | BaggageAllowanceRefID | string | 1 | | | BA2 | Reference to a Baggage Allowance ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | ServiceDefinitionID | string | 1 | | | SRVID2_BI | Uniquely Identifies a Service Definition within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 3 | Order | struct | 1. .* | | | | |
| 4 | BookingRef | struct | 0. .* | | | | |
| 5 | BookingEntity | struct | 1 | | | | |
| 6 | Carrier | struct | 0. .1 | | | | |
| 7 | AirlineDesigCode | string | 1 | | ([A-Z]{3} [A-Z]{2}) ([0-9][A-Z]) ([A-Z][0-9]) | AF | Airline code assigned to a carrier. Either ICAO-defined 3-character code or IATA-defined 2-character code. Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |
| 5 | BookingID | string | 1 | | | PZ5MTC | Existing booking reference Identifier. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-----------------|--------|---------------|--------|---------|--------------------------------------|--|
| 4 | OrderID | string | 1 | | | af0eee98-4b73-47af-989f-2508a77fa73d | Carrier assigned ID which uniquely identifies a specific Order across several messages. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | OrderItem | struct | 1. * | | | | |
| 5 | FareDetail | struct | 0. * | | | | |
| 6 | FareComponent | struct | 0. * | | | | |
| 7 | FareRule | struct | 0. * | | | | |
| 8 | Penalty | struct | 0. * | | | | |
| 9 | AppCode | string | 0. .1 | | | ADE | Penalty application type. Examples: ADE (After departure) NOS (No show) PDE (Prior to departure) Penalty application code |
| 9 | DescText | string | 0. .9 9 | | | NAV | Description of the applicable penalty. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 9 | TypeCode | string | 0. .1 | | | Change | Penalty type information. Examples: Cancellation, Change, NoShow, Upgrade, Other Penalty Type Code |
| 7 | PaxSegmentRefID | string | 0. * | | | SEG3 | Reference to a Pax Segment ID. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 7 | PriceClassRefID | string | 0. .1 | | | PC2 | A price point within a particular Cabin Type (sometimes referred to as 'Fare Families'). An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | FarePriceType | struct | 1. .3 | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-------------------|---------|----------|--------|---------|---------|--|
| 7 | FarePriceTypeCode | string | 1 | | | 70J | Indicates if the fare price provided is a filed amount, net amount, or a sell amount. A code is a character string of letters, numbers, special characters (except escape sequences), and symbols. |
| 7 | Price | struct | 1 | | | | |
| 8 | BaseAmount | decimal | 0. .1 | | | 166.00 | |
| 9 | CurCode | token | 0. .1 | | | EUR | |
| 8 | LoyaltyUnitAmount | decimal | 0. .1 | | | 1466 | |
| 9 | CurCode | token | 0. .1 | | | MILES | |
| 8 | TaxSummary | struct | 0. * | | | | |
| 9 | Tax | struct | 0. * | | | | |
| 10 | AddlTaxCode | string | 0. .1 | | | DP | A qualifier to the Tax Code to distinguish taxes/fees/charges with the same tax code but with different business uses. Specifies the IATA TTBS codeset. |
| 10 | Amount | decimal | 1 | | | 6.40 | |
| 11 | CurCode | token | 0. .1 | | | EUR | |
| 10 | TaxCode | string | 0. .1 | | | RN | IATA TTBS Tax Code. Example: AY, GB Specifies the IATA TTBS codeset. |
| 9 | TotalTaxAmount | decimal | 0. .1 | | | 295.05 | |
| 10 | CurCode | token | 0. .1 | | | EUR | |
| 8 | TotalAmount | decimal | 0. .1 | | | 461.05 | |
| 9 | CurCode | token | 0. .1 | | | EUR | |
| 6 | PaxRefID | string | 0. * | | | PAX1 | Reference to a Passenger ID An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|---------------------|---------|----------|--------|---------|--------------------------------------|--|
| 5 | OrderItemID | string | 1 | | | be90f51b-dd37-4c35-b555-de112ce54007 | Carrier assigned Order Item ID. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 5 | Price | struct | 1 | | | | |
| 6 | BaseAmount | decimal | 0. .1 | | | 166.00 | |
| 7 | CurCode | token | 0. .1 | | | EUR | |
| 6 | TaxSummary | struct | 0. * | | | | |
| 7 | Tax | struct | 0. * | | | | |
| 8 | AddTaxCode | string | 0. .1 | | | DP | A qualifier to the Tax Code to distinguish taxes/fees/charges with the same tax code but with different business uses. Specifies the IATA TTBS codeset. |
| 8 | Amount | decimal | 1 | | | 6.40 | |
| 9 | CurCode | token | 0. .1 | | | EUR | |
| 8 | TaxCode | string | 0. .1 | | | RN | IATA TTBS Tax Code. Example: AY, GB Specifies the IATA TTBS codeset. |
| 7 | TotalTaxAmount | decimal | 0. .1 | | | 295.05 | |
| 8 | CurCode | token | 0. .1 | | | EUR | |
| 6 | TotalAmount | decimal | 0. .1 | | | 461.05 | |
| 7 | CurCode | token | 0. .1 | | | EUR | |
| 5 | Service | struct | 1. * | | | | |
| 6 | PaxRefID | string | 1 | | | PAX1 | Uniquely identifies a Passenger within the context of one message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | ServiceAssociations | struct | 1 | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|------------------------|---------|----------|--------|---|-------------------------|---|
| 7 | ServiceDefinitionRef | struct | 1 | | | | |
| 8 | PaxSegmentRefID | string | 0. .1 | | | SEG3 | References a Passenger Segment ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 8 | ServiceDefinitionRefID | string | 1 | | | SRVID2_BI | References a Service Definition ID within this message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 6 | ServiceID | string | 1 | | | SRVID2_BI_PAX1_SE G3 | Service ID assigned by the carrier. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 4 | OwnerCode | string | 1 | | ([A-Z]{3} [A-Z]{2}) ([0-9][A-Z]) ([A-Z][0-9]) | AF | Airline code assigned to a carrier. Either ICAO-defined 3-character code or IATA-defined 2-character code. Either the IATA-defined 2-character code or the ICAO-defined 3-character code of an airline, as per the length of the value. |
| 4 | TotalPrice | struct | 0. .1 | | | | |
| 5 | TotalAmount | decimal | 0. .1 | | | 461.05 | |
| 6 | CurCode | token | 0. .1 | | | EUR | |
| 2 | PayloadAttributes | struct | 0. .1 | | | | |
| 3 | CorrelationID | string | 0. .1 | | | 5 | Allow end-to-end correlation of log messages with the corresponding Web service message throughout the processing of the Web service message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|---------------------|---------|------|--------|---------|---------------|--|
| 3 | VersionNumber | decimal | 1 | | | 18.2 | For all IATA versioned messages, the version of the message is indicated by a decimal value. A mathematical number that is assigned or is determined by calculation. |
| 2 | PaymentInfo | struct | 0..* | | | | |
| 3 | Amount | decimal | 1 | | | 0.00 | |
| 4 | CurCode | token | 0..1 | | | EUR | |
| 3 | Desc | struct | 0..1 | | | | |
| 4 | DescText | string | 0..1 | | | Visa Electron | Description text value. Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 3 | PaymentInfoID | string | 0..1 | | | PMT9 | Uniquely identifies payment information within a message. An identifier is a character string used to uniquely identify one instance of an object within an identification scheme that is managed by an agency. |
| 3 | PaymentMethod | struct | 1 | | | | |
| 4 | PaymentCard | struct | 1 | | | | |
| 5 | CardBrandCode | string | 0..1 | | | VE | A two-letter code assigned according to IATA Resolution 728. Example: VI for Visa Additional BDT to specify the CC vendor code in case FOID is a Credit Card. |
| 5 | CardProductTypeCode | string | 0..1 | | | Corporate | Used to specify whether the card is a Consumer (personal) or Commercial (corporate) card. A code is a character string of letters, numbers, special characters (except escape sequences), and symbols. |
| 5 | CardTypeText | string | 0..1 | | | Debit Card | Additional description for the magnetic stripe card type (debit card, credit card, prepaid card, etc.) Text is a character string such as a finite set of characters generally in the form of words of a language. |
| 5 | SecureProgram | struct | 0..1 | | | | |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|----------------------|--------|----------|--------|---------|---|--|
| 6 | EnrollmentStatusText | string | 0. .1 | | | LS0tLS1CRUdJTiBDRV JUSUZJQ0FURS0tLS0t TUIJRFZUQ0NBajJnQ XdJQkFnSUUpBSXByN0 ZCSXE0WVFNQTBHQ 1NxR1NJYjNEUUVCCQ 3dVQU1FRXhDekFKQ mdOVkJBWVRBa1pT TVE4d0RRWURWUV FJREFaR2NtRnVZMIV 4SVRBZkInTIZCQW9 NR0VsdWRHVnlibVY wSUZkcFpHZHBkSE1 nUUhSNUIFeDBaREFI RncweE9EQTNRRFF4 TVRReU1qWmFGdzB 5TWpBM01ETXhNVF F5TWpaYU1FRXhDek FKQmdOVkJBWVRBa 1pTTVE4d0RRWURW UVFJREFaR2NtRnVZ MIV4SVRBZkInTIZCQ W9NR0VsdWRHVnlib VYwSUZkcFpHZHBkS E1nVUUhSNUIFeDBaR ENDQVNjd0RRWUpL b1pJaHJZTkFRUJCU UFEZ2dFUEFEQONBU W9DZ2dFQkFPSIhUdI lIOWg0RWWhFQkxSN2 hLSVJ3b2JLNUIrbWR OOHpodkMveklsUjRS Y0VPaS93eHRhbnpEc OR5MEFheDRuVjFxr GxEZjB6M0dCdDFqZ 1dPenF0d21Wd0RYd XRQcWlyYkNnNdd2T DB0NG9IdnVXMHBy MVZIS3RodEIDYjZUb FltRitRbVBZaURrS1Vk T3EvZ0xwaHF4dmU1 aTEyMXE1M3ByNVB SN2tkZnd2c29RWG9 RczRUTY0UW80cjJR T2NIWi9IK1dHdDdL MEYydFUOL1NtMUS CdVN6SWdwRDg2SG VBTG92Zyvtbnp4NTli Mm8wcCtTc0ZtcjNw NHMveUc1NDVLZjN Hdm9TRXRTdzRHdTA 1Q2oybFJaRXEzSVhz eFJWS2FZMG9NT1F | 3D Secure Program Enrollment Status. Examples: CardNotEnrolled, CardEnrolled, CardMaybeEnrolled, Unknown Text is a character string such as a finite set of characters generally in the form of words of a language. |

| | | | | | | | |
|---|--------------------------|--------|----------|--|--|---|--|
| | | | | | | <p>MSVZnV0xJUFpFdm w5bWpTUkxORERIV2 QzVVZXQ0ZuSURIk2x 5RUNpY3RmdXNDQX dFQUFhTIFNRTR3SFF ZRFZSME9CQIIFRk9T MFErbVh4eENiU05EL zdyYjdNMGc3TFVHd U1COEdBMVVksXdR WU1CYUFGT1MwUS ttWHh4Q2JTtkQvN2 piN00wZzdMVUd1TU F3ROExVWRFd1FGTU FNQkFmOHdEUVIKS2 9aSWh2Y05BUUVM QIFBRGdnRUJBRXZvT DlyL0Q2Y2ZJTHV3eU NSYWU3VIZJTGtING1 2YW5sSjIwaTNyRmF 6RVfXS1lBa3VZMHh 5V0hKQldaWHd5RV NMU1o0ZUhoM05Ie CtxZjBqVGsrSIRkUIVZ WmxzTlI4cGNYYTNsa 3lwNzM1QlBsZWIOc 2Y0amMzRzJyZWt2a EVsL0l1NFIWRUVQN zFKUm1oNW44dDkv ejZMZ1FBYm1mQThl SGVKtjlyNjA2RWZqT UIPLzdXLzYwRDRPb0 J5VkRaalIJISTQveERxS VowdFNUL3E4cWhv QUdkdnpjeDNTRTE1 NDEwcE1zVuc2Qm4 0djV3WGlVb2Z6RWlr TXZBVk5YRjBvVHRU RFRSMmZsT2pMMk MrWFRjM3VGUi9YV VVTQy94Q3FscmNLZ m1oVFhGa1pUQkFZ Q0R1UFiWMFhPOWx 6SXFYU5lcEh0ZUJm b0crVDd5WDk1VOpN PS0tLS0tRU5EIEUFUI RJRkIDQVRFLS0tLS0=</p> | |
| 6 | SecurePaymentProgramName | string | 0. .1 | | | <p>TEST- AFENCR_RSAAEP_P RIV</p> | <p>Name of the secure payment program. E.g. Verified by Visa. A name is a word or phrase that constitutes the distinctive designation of a person, place, thing or concept</p> |

| Level | Name | Type | # | Length | Pattern | Example | Field Description |
|-------|-----------------|---------|----------|--------|---------|---------|--|
| 3 | SurchargeAmount | decimal | 0. .1 | | | 0.00 | |
| 4 | CurCode | token | 0. .1 | | | EUR | |
| 3 | TypeCode | string | 1 | | | DC | The form of payment type. Examples: Credit Card, Cash. Encoding Scheme: IATA PADIS code list data element [9888] Form of Payment Identification Additional BDT to specify payment method code. |

3. Process Steps

The OrderCreate service can be used in the following sequence of services:

- AirShoppingRQ/RS
- OfferPriceRQ/RS – Optional but recommended
- OrderCreateRQ/OrderViewRS
- AirDocIssueRQ/OrderViewRS

4. Business Rules

4.1. Parties

4.1.1. Participant

The Participant is either the party through which the NDC message (aggregator or NDC enabled system) or the party on behalf which the request is done (a corporate).

4.1.2. Recipient

The Recipient is the party Offer Responsible Airline receiving the NDC message (Air France or KLM).

4.1.3. Sender

The Sender must be the travel agent requesting for the offer.

4.2. Sender authentication

When a shopping request is received, NDC application will authenticate the seller. The seller will be referenced and allowed to use NDC application by AFKL. Otherwise, AFKL will reject the request.

4.3. Flight scope

Only AF and KL marketed flights are offered.

4.4. Passengers scope

4.4.1. Number of passenger

Our service only supports from 1 to 9 passengers.

Groups are out of scope.

4.4.2. Typology of passenger

Typology of passengers in scope are the following:

- Adults (ADT)
- Children (CHD) > 2-11 years old – if a child turns 12 years old after the commencement of the travel, the CHD rules are kept for the whole journey
- Infants (INF) > 0-1 years old – if an infant turns 2 years old after the commencement of the travel, a seat must be booked for the whole journey >> not in the NDC scope.
- Senior (YCD) > 65 years old and older – Some few routings are eligible for customers 60 years old and older
- Youth (YTH) > 12-24 years old with some specificities as described below:
 - Youth adults must be aged between 18-24 years old (travel must be completed before the 25th birthday of the Customer)
 - 12-14 years old cannot be booked alone on MH flights and LH flights except some French overseas routing > they must be accompanied by at least 1 adult.

- 12-17 years old can be booked alone with no assistance for SH flights and some French overseas routing.
- 15-17 years old don't need any assistance and can be booked on their own.
- Adult Tour Operator (IIT)
- Child Tour Operator (INN)
- Infant Tour Operator (ITF)
- Adult VFR (JCB)
- Child VFR (JNN)
- Infant VFR (JNF)

4.5. Fare conditions

- Baggage allowance in terms of number of pieces and dimensions are sent in BaggageAllowance
 - BA1_CHECKED provides details for checked baggage
 - BA2_CARRY_ON provides details for hand baggage
 - The allowance is defined per connection.
- Fare conditions are given per bound in Fare Component, Penalty element:
 - Refundable/changeable after departure (ADE)/prior to departure (PDE) without fee (CancelFeeInd/ChangeFeeInd = false)
 - Refundable/changeable after departure (ADE)/prior to departure (PDE) with fee (CancelFeeInd/ChangeFeeInd = true, with fee provided in PenaltyAmount)
 - Refund/change after departure (ADE)/prior to departure (PDE) not possible at all (DescText = NAV, which means not possible)
- Offer Time Limit - this does not block inventory nor guarantee price, it only guarantees that the Offer ID generated can still be converted into an Order ID. Exact time can be found in OfferExpirationDateTime.
- Tax details - the list of taxes included in the offer is given for each passenger typology (for each offeritem, it is located in TaxSummary).

4.6. Order Response

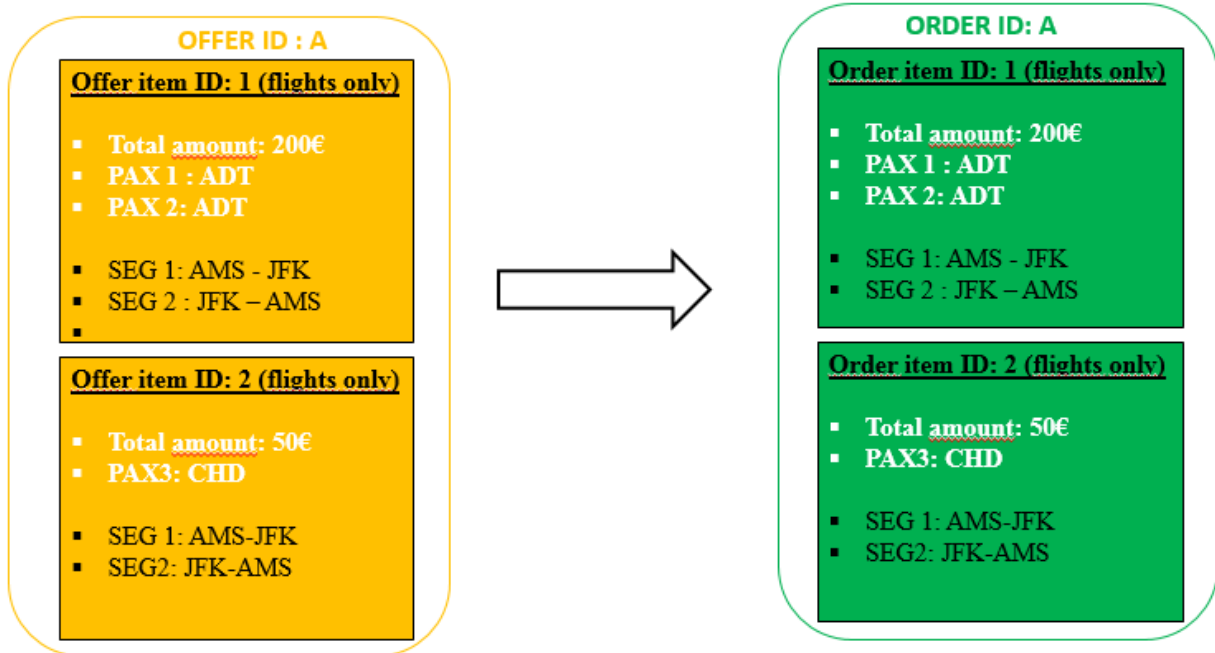
4.6.1. Order definition

An order contains flights, and services if requested. The content of an Order includes one or multiple Order Items (with a unique Airline-assigned Order Item ID), individually priced items within the Order.

4.6.2. Order item definition

Airline create order item from the selected offer item.

An orderitem includes one or multiple passengers travelling on the same segments and consuming the same services at the same price. A service can either be flights or ancillaries



4.7. Cabins

Following cabins can be found in the response:

| AIR FRANCE | KLM |
|------------|----------|
| FIRST | N/A |
| BUSINESS | BUSINESS |
| PREMIUM | N/A |
| ECONOMY | ECONOMY |

4.8. Payment Options

- AFKL offer following payment options:
- BSP Cash
- American Express
- UATP
- Diners club
- Visa
- Visa Debit
- Visa Electron
- JCB
- Debit card Mastercard
- Mastercard
- Discover
- Surcharges can be applied depending on the payment card and country of issuance.

4.9. Corporates

4.9.1. Conditions

For a client to benefit from its corporate negotiated fares, it needs to send its corporate ID (OIN) at shopping request.

If this corporate ID is sent at order creation, the public fare selected at shopping time will be applied. The corporate ID will be used for corporate recognition only.

4.10. Order Status

4.10.1. Order Status

RESERVED : the Order is booked but not paid yet

ISSUED : the Order is paid and ticketed

SUPPORT : an error occurred on the Order needing an action from AFKL

4.10.2. Order Item Status

RESERVED : the OrderItem is booked but not paid yet

ISSUED : the OrderItem is paid and ticketed

SUPPORT : an error occurred on the Order needing an action from AFKL

SUBSCRIBED : an ancillary/service is booked but not paid

4.11. Time limits

4.11.1. Payment time limit

The payment time limit defines the time limit until when an order has to be paid.

After the time limit, the order will be automatically canceled.

4.11.2. Price Guarantee for unpaid orders

After the booking is created, AFKL guarantees base amount and YR/YQ surcharges until the payment time limit. If the payment time limit is more than 4 days, other taxes are repriced by AFKL. This rule is applicable for any type of fares: public, corporate, TO, VFR, Consolidator etc.

4.12. Loyalty program: Flying Blue

When entering a flying blue account number, AFKL will verify that name/surname of the passenger matches with the provided account number.

If it does not match, AFKL will continue with creating the order but will not add the information to the order.

4.13. APIS (Advance Passenger Information System)

Depending on the country of destination customs policies, it is necessary to provide APIS data in orders. If several airlines are booked in an order, a simple entry will deploy all APIS elements for all airlines at once.

DOCS (travel documents) > Passport or ID card + Green card if necessary.

DOCO (additional travel documents) > Visa or Redress or Known Traveller

DOCA (address information) > 1 Destination address + 1 Residence address

At OrderCreateRQ, these informations can only be added. Please refer to OrderChange to complete and/or modify elements.

5. Business Exceptions

5.1. Mandatory fields

If one of the mandatory elements are not provided in the request, an error message should be sent to the consumer.

5.2. Travel agency information

If one of the following travel agency information does not exist in our NDC agency database, an error message « Incorrect agency information» is sent to the Sender:

- IATA number
- PCC/Office ID

5.3. Offer time limit exceeded

At the OrderCreateRQ, if the offer time limit is expired, no order can be created. NDC application sends back to the sender “Offer time limit expired”.

5.4. All error codes UPDATED BY Anna

List of all the functional ‘return codes’ returned by the Software Service:

| PADIS Error Code | Label |
|------------------|--|
| 107 | Invalid Airline Designator/Vendor Supplier |
| 112 | Requestor Identification Required |
| 126 | Not available-Codeshare flight |
| 129 | Order Not Found |
| 137 | Name Change Not Allowed |
| 143 | Invalid or Ineligible Passenger Type Code |
| 144 | Invalid Requestor Identification |
| 293 | Unable to Sell Due to Sales Limit being Reached |
| 293 | Unable to Sell Due to Sales Limit being Reached |
| 315 | Name element data missing or invalid |
| 316 | Contact element (phone and/or address) missing |
| 317 | Contact element (phone and/or address) invalid |
| 318 | Contact element (phone and/or address) missing or invalid |
| 375 | Requestor not authorized for this function for this PNR |
| 376 | Pricing/ticketing error, text information specified |
| 466 | Form of payment missing or invalid for ticket/document |
| 494 | Order not created - unable to issue accountable documents |
| 708 | Incorrect credit card information |
| 709 | Invalid and/or missing frequent traveler information |
| 800 | Security - Unable to issue ticket - Passenger security identification missing/incomplete |
| 900 | Provider Read timed out |
| 914 | Invalid format/data - data does not match syntax rules |
| 999 | Maximum token limit reached |

6. Policies

| | |
|----------------------|--------------|
| Business Criticality | <Sensitive > |
| Business Volume | <xxx > |
| Business Use | <7/24> |

Information classification according AF/KL Security office

| | |
|-------------------|--|
| Availability | <p>☑ 3 – Critical Downtime cannot exceed 4 hours (impact > € 1M)</p> <p>☑ 2 – Sensitive / Significant Downtime may exceed 4 hours but is less than a maximum defined in the GOA – General Operating Agreement or specified in chapter 6.</p> <p>☑ 1 - Normal Best effort (impact € < 10 K)</p> |
| | Specification of additional availability requirements |
| Confidentiality | <p>☑ 3 – Secret Information whose unauthorized disclosure (even within the organization) would cause serious damage to the interests of AFKL</p> <p>☑ 2 – Confidential Information whose unauthorized disclosure (even within the organization) would cause significant harm to the interests of AFKL)</p> <p>☑ 1 – Internal use only Information whose unauthorized disclosure, particularly outside of AFKL, would be inappropriate and inconvenient</p> <p>☑ 0 – Unrestricted Public domain information which requires no special protection measures</p> |
| | <p>As well as the above classifications it is possible to make use of the following qualifiers:</p> <p>☑ Under Embargo The information is to be put and remain at a certain classification level until a predetermined date. At that time the embargo is lifted and the information will revert to a lower classification. Both classifications and the date of change should be indicated</p> <p>☑ Personal The information is intended for an individual and may contain sensitive personal information and should therefore be treated as “Addressee only”. Access is limited therefore to the person for whom the information is intended.</p> |
| | Specification of additional confidentiality requirements |
| Integrity | <p>☑ 3 – high No loss of integrity is tolerated and corrective measures are in place to prevent any change to the original state of the information</p> <p>☑ 2 – medium Loss of integrity would significantly damage AFKL interests and corrective measures are in place to restore to the original state within a predetermined amount of time</p> <p>☑ 1 – low Loss of integrity should be logged</p> |
| | Specification of additional integrity requirements |
| Accountability | <p>☑ 3 – High Authentication and access to the information must be logged and preserved for a fixed period. Non-adherence of these constraints would cause serious harm to the interests of AFKL</p> <p>☑ 2 – medium Access to the information must be logged and preserved for a fixed period</p> <p>☑ 1 – low Access to the information need not be logged</p> |
| | Specification of additional accountability requirements |
| Interface Variant | Specification of requirements for additional variation in interface |

