

SQ NDC Updates

Date: 31 Aug 2020

Summary:

Updates to SQ NDC Functionality

The following improvements are now available through the SQ NDC connection for usage by partners:

1. Fare Type Indicator
2. Currency Alignment in multi-currency scenarios
3. Enhancements to for stop-over/connection information
4. Secure Flight Indicator
5. Payment Time Limit at OfferPrice
6. Changes to 3DS flow

General Updates to Partners

1. IATA BSP NDC APIs
2. Altea Downtime

Upcoming Developments

We also have the following enhancements tentatively planned in the upcoming month:

1. OrderChangeNotif for Services
2. Offering Free Services

Updates to SQ NDC Functionality

Fare Type Indicator

To improve clarity for partners and sellers, the SQ NDC API now includes a fare type indicator which is returned at AirShopping, OfferPrice and OrderReshop. The information is currently returned in text form and indicates whether a fare is Public, Private or Negotiated and whether it is secured with a corporate fare access code.

Action for Partners:

No activation is required for this enhancement. Partners are to integrate the new feature.

Currency Alignment in multi-currency scenarios

The SQ NDC API has been aligned to return the equivalent base fare amount in the transaction currency (either the default POS currency, or the specified currency in the case where currency override is applied).

Previously, in cases where the POS currency was not aligned with the itinerary point of commencement currency, the total amount and the base fare amount would be returned in different currencies.

Action for Partners:

No activation is required for this enhancement.

Enhancements to return Stop-over/Connection information

The SQ NDC API can now be configured to return leg-level information at the following messages:

1. AirShoppingRS
2. OfferPriceRS
3. OrderReshopRS
4. OrderViewRS (after OrderCreateRQ and OrderChangeRQ)

Two configuration options are available:

1. Leg information is shown when the segment has one or more legs
2. Leg information is shown when the segment has strictly more than one leg

Take for example the following sequence of flight segments booked:

SQ222 SYD-SIN connecting to SQ26 SIN-JFK (with a stop in FRA)

When Option (1) is chosen, leg information is returned for SYD-SIN (1 leg), SIN-JFK (2 legs – SINFRA/FRAJFK).

When Option (2) is chosen, leg information is only returned for SIN-JFK.

Action for Partners:

The default SQ configuration is Option (1) – to always return leg information. Partners to integrate the feature.

If partners wish for a configuration which deviates from the default, they should reach out to their respective implementation leads.

Secure Flight Indicator

The SQ NDC API now returns an indicator <SecureFlightInd> with the <PaxSegment> data structure to indicate if a segment is subject to an airline passenger pre-screening program. If the indicator is TRUE, the additional data elements of Date Of Birth and Gender need to be submitted for successful OrderCreation and payment.

Action for Partners:

No activation is required for this enhancement. Partners to integrate the new feature.

Note: Order creation for Orders containing secure flight(s) will fail if the required fields are not populated.

Payment Time Limit at OfferPrice

To provide greater transparency to sellers and customers, the SQ NDC API now provides at pricing time, the payment time limit for each Offer. The payment time limit (also known as ticketing time limit in legacy contexts) refers to the duration before which payment must be made for a booking, failing which the booking will be automatically cancelled by the Airline.

The payment time limit will be returned via the <PaymentTimeLimitDateTime> field at in OfferPriceRS.

Action for Partners:

No activation is required for this enhancement. Partners to integrate the feature.

Note: The payment time limit displayed refers to the time limit at which flight segments must be paid for. Separate time limit(s) may apply for ancillaries.

Changes to 3DS flow

To enhance SQ's fraud management process and improve approval rates, there is a minor change required for the implementation of the 3DS flow. More detailed information can be found in the updated 3DS implementation guide.

Action for Partners:

For partners that have not integrated 3DS, your first implementation should be on the enhanced flow. For partners that have already integrated 3DS, your respective implementation lead will be in touch regarding a change in implementation.

Minor Adjustments to Functional Checklist

There have been adjustments to the functional checklist in view of the changes listed above, as well as to correct errata from the previous versions. A list of changes to the checklist can be found in the change log.

General Updates for Partners

IATA BSP NDC APIs

Enhancements will be made to integrate IATA's BSP NDC APIs into the Singapore Airlines NDC platform. Once integrated, relevant SQ NDC transactions will be subject to two further processes made available via IATA's BSP NDC API:

1. Agency Upfront Validation (Ticketing Authority Status)
 - a. With this API, SQ will validate the status of an agent prior to executing a transaction. IATA will provide the status of the agent for the airline to determine whether to confirm or deny a ticketing request
2. Real-Time Sales Monitoring
 - a. With this API, SQ will provide to IATA in real-time (post transaction), a set of data regarding the transaction, to facilitate enhanced risk monitoring by IATA.

Upcoming Developments

The following enhancements are currently undergoing validation by SQ in test systems and will shortly be made available to partners.

OrderChangeNotif for Services

The SQ NDC API is being improved to delivery an OrderChangeNotif message to partners in a greater range of scenarios. Specifically, the OrderChangeNotif will now be triggered if certain services such as seat selection and/or excess baggage are added, modified or removed. This includes changes made directly by the airline (either systematically, or by an airline agent) as well as changes made by the passenger via self-service options on our website.

Action for Partners:

No activation is required for this enhancement. Partners to integrate the feature.

Offering Free Services

The SQ NDC API will soon provide partners and/or sellers with the capability to offer customers free services which can be booked. One example of such free services is IATA standard meal options (VGML, MOML etc.)

The relevant services will be made available via ServiceListRQ/RS and can be booked via OrderCreate in a similar fashion to booking ancillaries such as seats or bags.

Action for Partners:

SQ will activate this feature upon request by partners, this can be done via your respective implementation leads. Partners to integrate the feature.

SINGAPORE AIRLINES NDC FUNCTIONAL CHECKLIST

Version 1.4
24-Aug-20

Singapore Airlines adopt a rigorous validation process before partners are certified to be fully production ready.

Features that are marked "Mandatory" must be integrated before certification.

For more details on the product feature(s), please contact your Singapore Airlines' integration lead(s) or write to krisconnect@singaporeair.com.sg.

SIA will continue to push out new API features progressively so a periodic update will be done to the functional checklist.

To subscribe to our product update mailing list, please contact your respective Singapore Airlines' integration lead(s).

New feature updates are denoted with *NEW* for better identification. For new product feature(s) that are mandatory, SIA will be in contact to kick start implementation.

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Category Lvl 1	Category Lvl 2	Category Lvl 3	FEATURES	CRITERIA	AGENCY SEGMENT	READINESS	
Foundational	Schema	Schema	Schema Version 18.1	M	All	Y	
	Agency Handling	Agency Handling	Agency Handling	M	All	Y	
Offer	AirShopping	Configuration	Flex for low L2B	Mandatory to support at least one	All	Y	
			Massive Search for high L2B (ratio >150:1)		All	Y	
		Fare Types	ITI/OWD (for display)	M	All	Y	
			Shop for public fares	M	All	Y	
			Shop for private/negotiated fares	M	All	Y	
			Shop for private/negotiated fares with corporate code as an input	M	TMC, OB, Wholesale, Niche	Y	
			Shop for fares with commissions	O	All	Y	
			Able to display fare type (based on fare type indicator)	O	All	Y	
		Trip Types	Shop one way itinerary	M	All	Y	
			Shop round trip itinerary	M	All	Y	
			Shop multi-city itinerary	O	All	Y	
			Shop open jaw itinerary	O	All	Y	
			Shop interline itinerary	O	All	Y	
			Shop codeshare itinerary	O	All	Y	
		Passengers	Shop multi-pax itinerary	M	All	Y	
			Shop ADT/CHD/INF	M	All	Y	
			Shop other pax types (B15, OFW, SEA, STU etc.)	O	All	Y (Different PTCs supported on case by case basis)	
			Shop with FF number as an input	O	All	Y	
		Shopping Qualifiers	Support calendar shopping	O	All	Y	
			Support time filtering	O	All	Y	
		Front-End	Support local language	O	All	Y	
			Support rich media	O	All	Y	
		Fare Conditions	<i>Refer to Fare Conditions for details</i>	-	-	-	
			Static File Information	M	All	Y	
			Minirules	O	All	Y	
			Free Baggage Allowance	M	All	Y	
		Time Limits	Offer Time Limit at AirShopping	O	All	Y	
		Merchandising	Air Discount (i.e. showing discounted price for air fares)	M	All	Y	
			Ancillary Discount (i.e. showing discounted price for ancillaries)	M	All	Y	
			Ability to display Old Price vs New Price	O	All	Y	
			Ability to display discount reason code	O	All	Y	
			Apply Promocode in the form of a Alpha-numeric code	O	All	Y	
		OfferPrice	Configuration	OP/OPwUpsell/OP(Sked-Driven)	M	All	Y
				Currency Override	O	All	Y
			Pricing	Process Credit Card Service Fees (OB fees)	O	All	Y
				<i>Refer to Fare Conditions for details</i>	-	-	-
			Fare Conditions	Static File Information/CaaS	M	All	Y
				Minirules	O	All	Y
				Offer Time Limit at OfferPrice	O	All	Y
			Time Limits	Payment Time Limit at OfferPrice	O	All	Y
				Air Discount (i.e. showing discounted price for air fares)	M	All	Y
			Merchandising	Ancillary Discount (i.e. showing discounted price for ancillaries)	M	All	Y
Ability to display Old Price vs New Price	O			All	Y		
Ability to display reason for discount	O			All	N (only reason code is supported)		
Apply Promocode in the form of a Alpha-numeric code	O	All		Y			
Support FF number input for discounted seats and services	O	All		Y			
Service list/	Passengers	Display seat map	M	All	Y		
		Selection of free seats/sale of paid seats	M	All	Y		

	SeatAvail		Bassinet seat selection for infants	O	All	Y		
		Bags		Sale of excess baggage	O	All	Y	
				Excess baggage types (XBAG vs BULK/HEAV/PIEC)	O	All	Y	
		Packs		Sale of packs (seats and bags)	O	All	Y	
		Free Services		Meals	O	All	N	
Order	OrderCreate/ OrderChange	Pax Details		Support FF number input for each passenger	M	All	Y	
				Telephone contact for passengers in AP field	M	All	Y	
				Email contact for passengers in AP field	M	All	Y	
				Email contact for travel agents in OSI CTCE field	M	Retail, OTA, TMC, OBT, Wholesale, Niche	Y	
				Mandatory data fields for Secure Flights (passport details)	M	All	Y	
		Booking Information		Insert OSI CP entry during booking for corporate fares	M	OBT, TMC	Y	
				Insert SSR CLID during booking for corporate fares	M	OBT, TMC	Y	
				Insert IN GST Information	O	All	Y	
		Payment & Ticketing			Direct credit card settlement through airline	Mandatory to support at least 1 FOP	All	Y
					BSP settlement using Cash		All	Y
					BSP settlement using credit card		All	Y
					ARC settlement using Cash		All	N
					ARC settlement using credit card		All	N
					Instant ticketing		Mandatory to support at least 1 flow	All
				Deferred payment (Hold and ticket later)	All	Y		
				Display ticketing time limit for Deferred payment bookings	M	All	Y	
			Support 3DS	M for credit card bookings	All	Y		
			Able to display card verification message for direct card settlement	O	All	Y		
		Merchandising		Apply Promocode in the form of a Alpha-numeric code	O	All	Y	
		OrderReshop (Shop)	Remove		Determine refundable amount	M	Retail, OTA, TMC, Wholesale, Niche	Y
				Determine if within void window (in Reshop flow)	M	Retail, OTA, TMC, Wholesale, Niche	Y	
	Modify			Split an order	M	Retail, OTA, TMC, Wholesale, Niche	Y	
				Date Change through OrderReshop	M	Retail, OTA, TMC, Wholesale, Niche	Y	
				Rerouting through OrderReshop	M	Retail, OTA, TMC, Wholesale, Niche	Y	
				Cabin Upgrade through OrderReshop	M	Retail, OTA, TMC, Wholesale, Niche	Y	
	Fare Conditions			<i>Refer to Fare Conditions for details</i>	-	-	-	
				Static File Information	M	Retail, OTA, TMC, Wholesale, Niche	Y	
	Time Limits		Offer Time Limit at ReShop (Shop)	O	All	N		
	OrderReshop (Price)	Fare Conditions		<i>Refer to Fare Conditions for details</i>	-	-	-	
				Static File Information/CaaS	M	Retail, OTA, TMC, Wholesale, Niche	Y	
				Minirules	O	All	Y	
		Pricing		Process Credit Card Service Fees (OB fees)	O	All	Y	
				Currency Override	O	All	Y	
		Time Limits		Offer Time Limit at Reshop (Price)	O	All	Y	
			Payment Time Limit at Reshop (Price)	O	All	N		
	OrderRetrieve	Booking Information		Display Airline PNR	M	All	Y	
				Able to display Order value (Total price)	M	All	Y	
				Able to display pax/flights/ancillary services	M	All	Y	
		Servicing Information		Able to display servicing options i.e. refundability, exchangeability etc.	M	Retail, OTA, TMC, Wholesale, Niche	Y	
				Able to display ETKT number(s)	M	All	Y	
		Ticket Information		Able to display EMD number(s) incl. RSVR/RSVT	M	All	Y	
			Able to associate ETKT/EMD with passengers and/or	O	All	Y		
	OrderChangeNotif	OrderChangeNotif	Able to receive OrderChangeNotif	O	All	Y		
	OrderCancel	Refund	Able to refund	M	Retail, OTA, TMC, Wholesale, Niche	Y		
		Void	Able to void	M	Retail, OTA, TMC, Wholesale, Niche	Y		

SQ NDC Functional Checklist Change Log
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Version	Change Notes
1.0	Initial Version Published
1.1	Re-structured into new format based on Offer/Order and corresponding messages Additional tab for detailed breakdown on Fare Conditions
1.2	Updated for new Altea NDC functionality Ability to process and display EMD information (including RSVR) Ability to link EMD information to corresponding Service (where applicable) Ability to input information for India GST regulatory requirements OfferTimeLimit at Reshop (Price) supported Expanded Fare Conditions feature into 3 components: SQ Content (Static File/CaaS), Minirules and FBA/FBD Moved 'Display Airline PNR' to OrderRetrieve (was previously under OrderCreate) Errata Correction Fare Conditions details - minor corrections
1.3	Updated readiness for Currency Override and CCSF at OrderReshop
1.4	Removed Payment Time Limit at AirShopping and OrderReshop (Shop) Updated readiness for Payment Time Limit at OfferPrice Added items for the following: Display fare type Able to offer and book free services Removed sale of excess baggage by weight block Combined sale of chargeable seats and selection of free seats Updated Agency Segment & Applicable Market columns

SQ NDC Functional Checklist - Explanations

Version 1.4

31 Aug 2020

Background

The SQ NDC Functional Checklist provides both SQ as well as the Partner with a common basis for assessing the status of a partner's integration with the SQ NDC platform. It also provides an understanding of the current capabilities which a partner possesses to distribute airline content.

Foundational

Schema

Version

The IATA NDC Schema version that the partner has integrated on.

Agency Handling

Agency Handling

The status of a partner's integration with the Altea NDC Agency Handling framework (also sometimes referred to as the NDC Configuration framework). This is required for SQ to better manage the agents that are connecting through the intermediaries' platform so that the right configurations, fares can be applied for each agency. This is hence a mandatory feature for all intermediaries (i.e. GDSs/aggregators). To utilize the framework, the partner should include in all NDC messages the following information where applicable:

- PointOfSale/Country/CountryCode
- Party/Recipient/ORA
- Party/Participant/Aggregator/AggregatorID
- Party/Sender/TravelAgency/AgencyID
- Party/Sender/TravelAgency/IATA_Number
- Party/Sender/TravelAgency/TypeCode

When the above information is provided in the request messages, the Altea NDC platform is better able to identify the source of the request and contextualize response based on internal configurations and settings.

Offer

AirShopping

Configuration

Refers to the shopping configuration currently used by a partner and thus the type/number of offers that are returned in the shopping response. It is possible for a single partner to support multiple shopping configurations for different sellers.

Flex Pricer (for low L2B)

The usage of Flex Pricer by a partner. Typically used for qualified traffic as prices are returned for each Fare Family, resulting in multiple price points per travel solution.

Massive Search for high L2B (ratio >150:1)

The usage of Massive Search by a partner. Typically used for unqualified traffic as only the lowest price is returned for each travel solution.

ITI/OWD (for display)

The type of shopping display used by a partner. ITI refers to itinerary display where the entire itinerary is displayed as a single choice with one applicable Fare Family. OWD refers to One-Way display, where the shopping display is split and each bound is selected independently, allowing for the selection of differing Fare Families across bounds.

Fare Types

The type of fares which are supported by a partner.

Shop for public fares

The ability to request and display public fares

Shop for private fares

The ability to request and display private fares

Shop for private fares with corporate code as an input

The ability to request and display private fares requiring the input of a fare access code.

Shop for fares with commissions

The ability to request and display fares with commissions (commissions to be managed via the BSP settlement process)

Able to display fare type

The ability to display the type of fare being presented: Public, Private or Negotiated and whether or not the fare is associated with a corporate access code.

Trip Types

Shop one way itinerary

The ability to request and display results for a one-way trip. For example: MEL-LHR.

Shop round trip/return trip itinerary

The ability to request and display results for a return trip. For example: MEL-LHR/LHR-MEL

Shop multi-city itinerary

The ability to request and display results for a trip requiring 3 or more bounds. For example: MEL-LHR/LHR-SIN/SIN-MEL

Shop open jaw itinerary

The ability to request and display results for an open-jaw trip (trip where the destination and/or origin are not the same in both directions). For example: MEL-LHR/FRA-MEL

Shop interline itinerary

The ability to display interline itineraries – itineraries containing one or more segments marketed and operated by another airline. For example: Requesting for SIN to HEL and displaying the response of SIN->MUC->HEL using SQ328 connecting to LH2460.

Shop codeshare itinerary

The ability to display codeshare itineraries – itineraries containing one or more segments marketed by SQ but operated by another airline. For example: After requesting for SIN to FRA and displaying the response of SIN->MUC->FRA using SQ328 connecting to SQ2049 (operated by LH).

Passenger Types

Shop multi-pax itinerary

The ability to request and process shopping requests involving multiple passengers.

Shop ADT/CHD/INF

The ability to request and process shopping requests for adult, child and infant passenger(s).

Shop other pax types (B15, OFW, SEA, STU etc.)

The ability to request and process shopping requests for other applicable/relevant passenger types such as B15 (UK under 15 passenger), OFW (Filipino overseas foreign worker), SEA (seamen), STU (student) and others.

Shop with FF number as an input

The ability to request and process shopping requests where one or more passenger has a KrisFlyer (SQ's frequent flyer programme) membership number for input.

Shopping Qualifiers

Support calendar shopping

The ability to request for and display a calendar of prices (flexible date shopping).

Support time filtering

The ability to request for and display flights with time of day restrictions.

Front-End

Support local language

The ability to request for and display content in the passenger/users preferred local language (assuming the language is supported by SQ).

Support rich media

The ability to support rich media.

Fare Conditions

Static File Information

The ability to process and display the fare conditions from SQ's content management system located within <PriceClassList>.

Minirules

The ability to process and display the fare conditions based on ATPCo filing summarized by 1A minirules. This information is located within <PenaltyList>.

Free Baggage Allowance

The ability to process and display the baggage allowance based on ATPCo filing. This information is located within <BaggageAllowanceList>.

Time Limits

Offer Time Limit at AirShopping

The ability to display the offer time limit (or to appropriately display an error when offers have expired).

Payment Time Limit at AirShopping

N.A.

Merchandising

This section refers to a partner's ability to process and distribute airline content that has merchandising techniques applied to it. Such content is only available directly from the airline and is enabled by Amadeus Anytime Merchandising. It includes but is not limited to the application of discounts, promotional codes and combination of products to create bundles.

Air Discount (i.e. showing discounted price for air fares)

The ability to process and display fares with an airfare discount applied.

Ancillary Discount (i.e. showing discounted price for ancillaries)

The ability to process and display prices with an ancillary discount applied.

Ability to display Old Price vs New Price

The ability to process the pre-discounted price and the discounted price and display it appropriately to highlight a change.

Ability to display reason for discount

The ability to process and display the reason for discount.

Apply Promocode in the form of an alpha-numeric code

The ability to input and request for the evaluation of an alpha-numeric promocode to determine if any price adjustment is applicable.

OfferPrice

Configuration

OP/OPwUpsell/OP(Sked-Driven)

Three modes of OfferPrice are available:

- Regular OfferPrice i.e. to perform pricing and provide additional details about a specific Offer.
- OfferPrice with upsell i.e. to perform pricing and provide additional details about a specific Offer as well as any relevant upsell Offers (Offers with the same travel solution but different Fare Family).

- Schedule-Driven OfferPrice i.e. to be able to skip AirShopping phase and perform pricing and details using a specified travel solution (flight details must be provided in the request).

This item tracks the OfferPrice mode integrated by the partner.

Pricing

Currency Override

The ability to request for pricing and Order confirmation in a currency other than the local currency.

Process Credit Card Service Fees (OB fees)

The ability to request for pricing with the calculation of applicable credit card service fees.

Fare Conditions

Static File Information/CaaS

The ability to process and display the fare conditions from SQ's content management system located within <PriceClassList>. Also for SQ internal use to indicate which version of SQ content is being utilized.

Minirules

The ability to process and display the fare conditions based on ATPCo filing summarized by 1A minirules. This information is located within <PenaltyList>.

Time Limits

Offer Time Limit at OfferPrice

The ability to display the offer time limit (or to appropriately display an error when offers have expired).

Payment Time Limit at OfferPrice

The ability to process and display the payment time limit (where applicable) to the customer at the pricing step.

Merchandising

This section refers to a partner's ability to process and distribute airline content that has merchandising techniques applied to it. Such content is only available directly from the airline and is enabled by Amadeus Anytime Merchandising. It includes but is not limited to the application of discounts, promotional codes and combination of products to create bundles.

Air Discount (i.e. showing discounted price for air fares)

The ability to process and display fares with an airfare discount applied.

Ancillary Discount (i.e. showing discounted price for ancillaries)

The ability to process and display prices with an ancillary discount applied.

Ability to display Old Price vs New Price

The ability to process the pre-discounted price and the discounted price, display both the pre- and discounted prices and to appropriately highlight a change.

Ability to display reason for discount

The ability to process and display the reason for discount.

Apply Promocode in the form of an alpha-numeric code

The ability to input and request for the evaluation of an alpha-numeric promocode to determine if any price adjustment is applicable.

ServiceList/SeatAvail

Passengers

Support FF number input for discounted seats and services

The ability to include passengers' KrisFlyer (SQ's frequent flyer programme) membership number in requests and process responses with KrisFlyer member privileges where applicable.

Seats

Display seat map

The ability to process the seat availability response to present/display the seat map to the passenger.

Sale of paid seats/Selection of free seats

The ability to process the selection and payment of chargeable seats for passenger(s) and the ability to process the selection of non-chargeable and/or free seats for passenger(s).

Bassinet seat selection for infants

The ability to request for lifting of seat restrictions to enable to the selection of bassinet seats for Orders with infant(s).

Bags

Sale of excess baggage

The ability to process the selection and payment of excess baggage

Excess baggage types (XBAG vs BULK/HEAV/PIEC)

The ability to process and correctly display the relevant excess baggage type(s) for the passengers' itinerary. I.e. Weight concept (XBAG) for itineraries that do not include US, and Piece concept (BULK/HEAV/PIEC) for itineraries containing the US.

Packs

Sale of packs (seats and bags)

The ability to process the selection of and payment for packs – it is mandatory to be able to process all subservices associated with the purchase of packs (both seats and bags in the same booking flow).

Free Services

Request for meal selection

The ability to process the selection of IATA standard special meals such as MOML, VGML etc.

Order

OrderCreate/OrderChange

Pax Details

Support FF number input for each passenger

The ability to include passengers' KrisFlyer (SQ's frequent flyer programme) membership number in requests for the purposes of frequent flyer mileage accrual and tier recognition (SSR FQTV and FQTS insertion).

Telephone contact for passengers in AP field

The ability to input the passengers' phone contact details via <ContactInfoList> (inserted as AP element in PNR)

Email contact for passengers in AP field

The ability to input the passengers' email contact details via <ContactInfoList> (inserted as AP element in PNR).

Email contact for travel agents in OSI CTCE field

The ability to input the email contact of the responsible travel agent (if applicable) via <InstructionsList> (inserted as OSI element in PNR).

Mandatory data fields for Secure Flights (passport details)

The ability to determine that a flight requires advance passenger information and thus provides the input of the passenger's necessary passport/travel document details (inserted as SSR DOCS in PNR).

Booking Information

Insert OSI CP entry during booking for corporate fares

The ability to provide the SQ Corporate Code via <InstructionsList>/<Instruction>/<FreeFormTextInstruction> (inserted as OSI element in PNR), for the purposes of corporate revenue attribution and associated downstream processes.

Insert SSR CLID during booking for corporate fares

The ability to input the SQ Corporate ID via <LoyaltyProgramAccount> (with <ProgramCode>CLID</ProgramCode>) for the purposes of corporate recognition via the Amadeus Corporate Recognition Tool (inserted as SSR CLID).

Insert IN GST Information

The ability to provide the details necessary for fulfilling the India GST regulatory requirement via <ContactTypeText>GST</ContactTypeText>.

Payment and Ticketing

Direct credit card settlement through airline

Indicates that the partner can support the payment flow where settlement is done directly with the airline via credit card (only FOP CC currently supported).

BSP settlement using Cash

Indicates that the partner can support the payment flow where settlement is done between the agent and the airline via BSP using Cash.

BSP settlement using credit card

Indicates that the partner can support the payment flow where settlement is done with the airline via BSP CC.

ARC settlement using Cash

Indicates that the partner can support the payment flow where settlement is done between the agent and the airline via ARC using Cash.

ARC settlement using credit card

Indicates that the partner can support the payment flow where settlement is done with the airline via ARC CC.

Instant ticketing

Indicates that the partner supports an instant ticketing (and thus payment) flow. The Form of Payment is always supplied with each OrderCreate/OrderChange (where there is a non-zero amount).

Deferred payment (Hold and ticket later)

Indicates that the partner supports a deferred ticketing (and thus payment) flow. The OrderCreate/OrderChange can be committed without a Form of Payment. A subsequent OrderChange is utilized to provide the form of payment at which payment is processed and accountable documents exchanged/issued (if applicable).

Display ticketing time limit for Deferred payment bookings

The ability to process the payment time limit and inform the end user (agent and/or passenger) of the time limit for payment and issuance of a previously held booking.

Support 3DS for direct card settlement

The ability to support 3DS authentication during the payment flow. This includes the redirection of the end user (agent and/or passenger) to another page for authentication before providing the authentication result to SQ via the NDC API for payment processing.

Able to display card verification message for direct card settlement

The ability to inform the end user (agent and/or passenger) via a notification on the front-end that the credit card that was utilized for payment for the booking may be subject to physical card verification by the airline.

Merchandising

Apply promocode in the form of an alpha-numeric code

The ability to input and confirm the usage of an alpha-numeric promocode to validate any price adjustment applicable as part of Order creation.

OrderReshop (Shop)

Removing Order Items and/or Services

Determine refundable amount

The ability to process the removal (cancellation/void/refund) of order items and/or Services and display the outstanding amount due to be refunded to the passenger.

Determine if within void window (in Reshop flow)

The ability to determine (based on the OrderReshopRS) that an Order is eligible for void. Note: only applicable for partners who have activated the Void in Reshop flow.

Modifying Order Items and/or Services (including adding)

Split an order

The ability to request for an Order to be split, specifying the passenger(s) and their expected group(s). Able to process the resulting Orders – both parent and child Orders.

Date Change through OrderReshop

The ability to request and process shopping where the date parameters have been changed relative to the original Order.

Rerouting through OrderReshop

The ability to request and process shopping where the Origin/Destination parameters have been changed relative to the original Order.

Cabin Upgrade through OrderReshop

The ability to request and process shopping where the cabin parameter has been changed relative to the original Order.

Fare Conditions

Static File Information

The ability to process and display the fare conditions from SQ's content management system located within <PriceClassList>.

Time Limits

Offer Time Limit at ReShop (Shop)

Not available.

Payment Time Limit at ReShop (Shop)

Not available.

OrderReshop (Price)

Fare Conditions

Static File Information/CaaS

The ability to process and display the fare conditions from SQ's content management system located within <PriceClassList>. To also indicate whether the partner is utilizing a static file hosted on Altea NDC or calling SQ content webservice.

Minirules

The ability to process and display the fare conditions based on ATPCo filing summarized by 1A minirules. This information is located within <PenaltyList>.

Pricing

Process Credit Card Service Fees (OB fees)

The ability to specify the usage of a credit card for payment during an exchange scenario such that any applicable credit card fees are applied.

Currency Override

Time Limits

Offer Time Limit at Reshop (Price)

The ability to display the offer time limit (or to appropriately display an error when offers have expired).

Payment Time Limit at Reshop (Price)

The ability to process and display the payment time limit (where applicable) to the customer at the pricing step. Note: Deferred payment in an exchange scenario is not fully supported yet.

OrderRetrieve

Booking Information

Display Airline PNR

The ability to process and display the airline PNR to the end user.

Able to display Order value (Total price, Fare Base Amount and Taxes)

The ability to process and display the Order price and provide a breakdown into the necessary components.

Able to display pax/flights/ancillary services

The ability to process and display the contents of the Order: OrderItems and/or Services including but not limited to the flights, seats and bags.

Servicing Information

Able to display servicing options i.e. refundability, exchangeability etc.

The ability to process and display the options which are applicable/available for a retrieved Order. This includes information such as whether an Order can be cancelled/refunded, whether it can be exchanged etc. Note: No restriction on the source of the information, it can utilize the content from SQ CMS, ATPCo (via MNR) or a mix.

Ticket Information

Able to display ETKT number(s)

The ability to process and display the ETKT number(s) for an Order.

Able to display EMD number(s) incl. RSVR/RSVT

The ability to process and display the EMD number(s) for an Order.

Able to associate ETKT/EMD with passengers and/or services

The ability to process and display the association of all accountable documents with their associated passenger(s) and/or service(s).

OrderChangeNotif

OrderChangeNotif

Able to receive OrderChangeNotif

The ability to inform the end user that an Order has been changed.

OrderCancel

Refund

Able to refund

The ability to request for and process a refund/cancellation.

Void

Able to void

The ability to request for a transaction to be voided.