Aviation Fuel Tender XML Standard

Implementation Guide

Tender Standard v 1.0.5

1 Contents

2 Introduction

The Tender XML Standard was developed by the Aviation Fuel Tender XML Working Group, comprised of airlines, fuel suppliers and IT vendors and was approved for industry adoption by the IATA Commercial Fuel Group in May 2016. This implementation guide is intended to help those who plan to use the Tender XML Standard with the essential information required when developing technical solutions and provides guidance on the use of the messages. It also provides background information and how best to use the standard effectively.

2.1 Purpose and Scope of the Document

This document contains the guidelines and procedures for the use of the Tender XML Standard in the communications between airlines and suppliers.

2.2 Intended Audience

This document is intended to be used by all the companies that want to implement the Tender XML Standard in their products.

3 Business requirement background

The airlines and their fuel suppliers since 2005 have been engaged in establishing and implementing standards for the exchange of fuel activity related messages. IATA has facilitated these E-Fueling processes and is committed to the development and maintenance of the fuel data exchange standards. While the three standards required for order (pre-flight), delivery (transaction) and the invoice standards are now in place a gap exists in the area of tender and bid forms. As a result, currently airlines send their Fuel Tender RFPs in various formats via e-mail or through various fuel management systems. Offers are subsequently received from suppliers in various formats which then must be uploaded manually into spreadsheets or into different management systems. This is not only time consuming but leaves itself to human errors.

4 Fuel tendering process challenges

The current fuel tendering process is manual and consequently inefficient. Some flaws include:

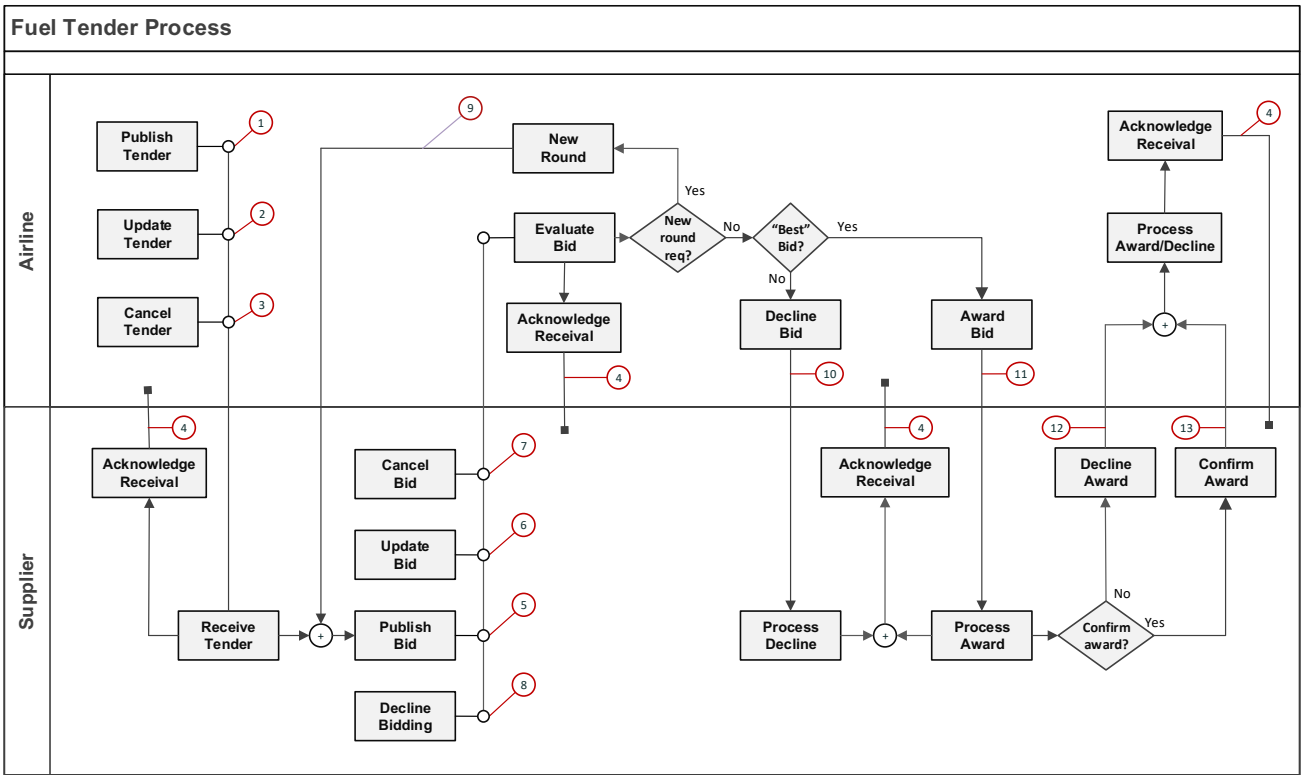
- Fuel tender RFPs are done using various formats
- Offers from suppliers are provided in various formats
- Feeding the bid data into fuel management systems is manual, time consuming and prone to errors
- Lack of standardized and transparent pricing categories
- Normalization of offers is prone to error and time consuming
- The lack of standardized nomenclature that flows from bid to tender to contract to invoice

5 Why implementing the Fuel Tender XML messages?

XML enables simple processing of information to take place, and the task of ''parsing'' the information (putting it into a form that is usable by the receiving device) is obsolete. Once a message is created in XML, any device in an enterprise (or wider environment if the same information structure is adopted extensively) can carry out their work simply, without having to reinterpret the message from scratch. XML is also inherently protected against becoming obsolescent, because the structure allows for extension, when new practices require additional information to be carried.

6 Fuel Tender XML Messages

To accommodate the fuel tendering process with a digital information exchange standard, the manual process (e.g. through email and phone calls) has been modelled as the following process flow diagram.



The following messages are in place to accommodate the process:

1. **FuelTenderInvitation** – Sent from Airline to Supplier when a new tender is published
2. **FuelTenderUpdate** – Sent from Airline to Supplier to update an already published tender
3. **FuelTenderCancel** – Sent from Airline to Supplier to cancel an already published tender
4. **FuelTenderAcknowledge** – Acknowledgment message (both ways)
5. **FuelTenderBid** – Sent from Supplier to Airline when submitting a new bid offer
6. **FuelTenderBid** – Sent from Supplier to Airline when updating and existing bid offer
7. **FuelTenderCancelBid** – Sent from Supplier to Airline to cancel an already submitted bid offer
8. **FuelTenderNoBid** – Sent from Supplier to Airline to decline bidding on one or more locations
9. **FuelTenderNewRound** – Sent from Airline to Supplier to initiate a new round of negotiations
10. **FuelTenderBidDecline** – Sent from Airline to Supplier when rejecting one (or more) bid(s)
11. **FuelTenderBidAward** – Sent from Airline to Supplier when awarding one (or more) bid(s)
12. **FuelTenderDeclineAward** – Sent from Supplier to Airline to reject an awarded bid
13. **FuelTenderAcceptAward** – Sent from Supplier to Airline to confirm an awarded bid

7 Messaging Bilateral Agreements

Each time the Fuel Tender data standard is used it is recommended and encouraged that the two parties involved set up and use a bilateral agreement. The objective of the bilateral agreement is to define the expectation the two parties have from the interface, in terms of data, performance, protocol, etc. It will be a valuable tool when testing the implementation and in the maintenance of the interface. It will enable those designing and implementing the interface to record how it operates in this deployment.

The bilateral agreement does not replace the schema but can be used alongside, as part of or instead of an Interface Control or Definition document.

It is suggested that a Confidentiality Agreement is also signed between the parties to protect each other's interests.

8 Transfer protocols

For the transfer of the XML documents the SOAP protocol is one of the common options that can be used. Other examples include the SFTP (Secure File Transfer Protocol) and HTTPS (Hypertext Transfer Protocol Secure).

9 Description of Elements

Please refer to Appendix C for the complete list of data elements.

Note: If the parent node is not mandatory then the child nodes are not mandatory. Only if the parent is mandatory then the required marker of the child nodes comes into effect.

9.1 Nil Values in Schema

Nil values will always be interpreted as missing data in the schema.

9.2 Char Encoding

The encoding used is UTF-8.

10 Date and Time Reference

The dateTime data type is used to specify a date and a time.

The dateTime is specified in the following form "YYYY-MM-DDThh:mi:ss" where:

- YYYY indicates the year
- MM indicates the month
- DD indicates the day
- T indicates the start of the required time section

- hh indicates the hour
- mi indicates the minute
- ss indicates the second

11 Message Types

- FuelTenderInvitation– The tender invitation message from airline to supplier
- FuelTenderBid- The bid response message from supplier to airline
- FuelTenderUpdate – Update the tender from airline to supplier
- FuelTenderBidAward – Award a bid from airline to supplier
- FuelTenderBidDecline – Decline a bid from airline to supplier
- FuelTenderCancel – Cancel a tender from airline to supplier
- FuelTenderNewRound – Notify a new round from airline to supplier
- FuelTenderResponse – Acceptance/rejection message response for synchronous calls
- FuelTenderAcknowledge – Receival acknowledgement of a specific tender message
- FuelTenderNoBid – The supplier does not bid for the specified locations
- FuelTenderCancelBid – The supplier cancels an already submitted bid
- FuelTenderAcceptAward – Accept award from supplier to airline
- FuelTenderDeclineAward – The supplier declines an awarded bid

All the messages are defined by the IATA Fuel Tender.xsd

12 Message Control

The Tender schema includes a message type (FuelTenderResponse) which can be used as part of an overall mechanism to control the flow of messages, by implementing a request response sequence. The use of these message type is optional, but their inclusion in the Tender schema gives implementers the flexibility to specify a message control mechanism which best fits the characteristics of the systems exchanging information.

12.1 Fuel Tender Invitation

A tender with the same identification should not be accepted. A different version (Tender Version) for the same tender needs to be submitted.

12.2 Fuel Tender Bid

A bid with the same identification should not accepted. A different revision for the same bid needs to be submitted.

12.3 Fuel Tender Cancel

Should be permitted only when no location has been awarded.

12.4 Fuel Tender Update

Should be permitted only when no location has been awarded.

12.5 Fuel Tender Bid Decline

It is permitted only if the bid was not awarded.

12.6 Fuel Tender Acknowledge

An acknowledgement message for every other message that signals the message is Received/Open/Read/Incomplete in the receiving system.

12.7 Fuel Tender No Bid

The supplier sends this message if it does not intend to send a bid for the specified locations.

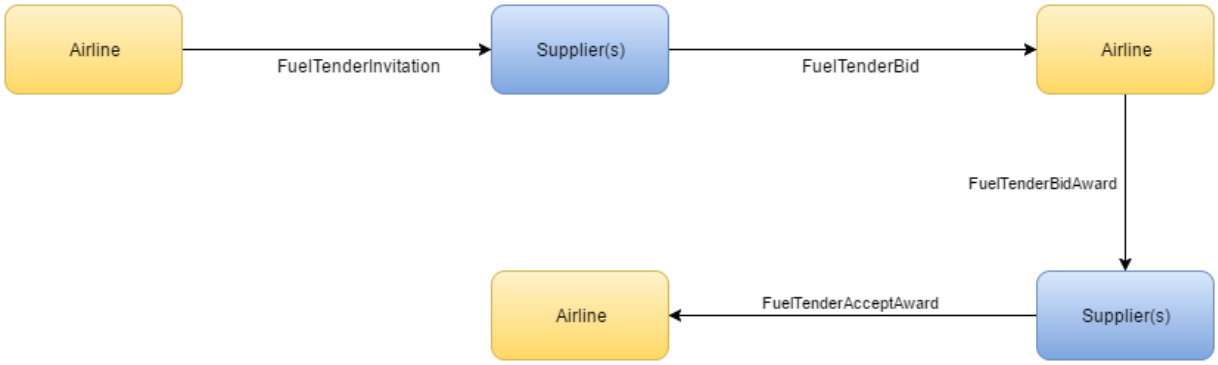
12.8 Fuel Tender Cancel Bid

The supplier cancels an active bid

13 Data flows

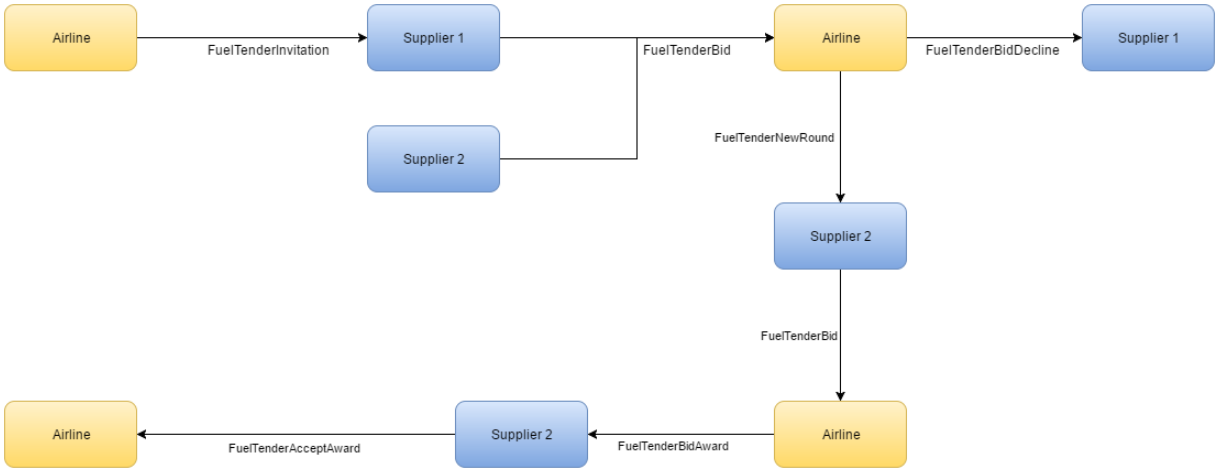
Below are several simple use cases – and the associated data flows and message types used. These are meant as basic examples – and are certainly not the only integration patterns possible.

13.1 Successful bid with one supplier

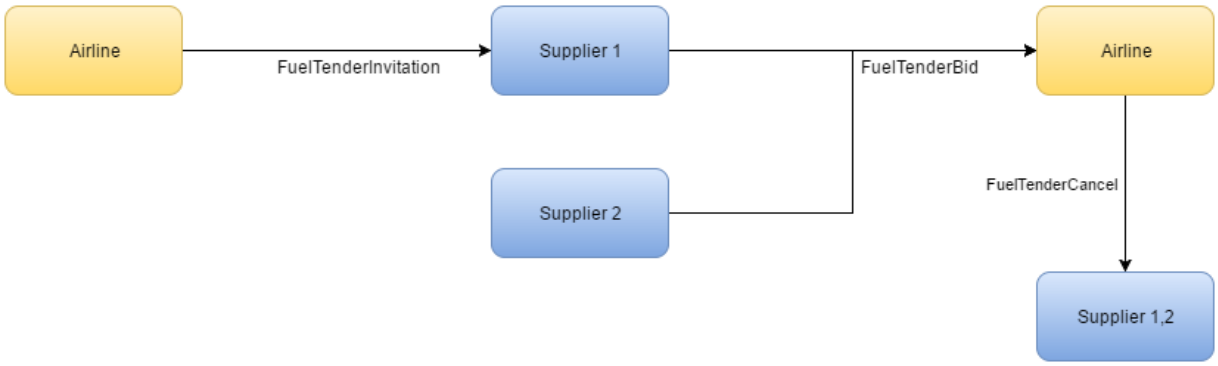


13.2 Successful bid with 2 suppliers and 1 round

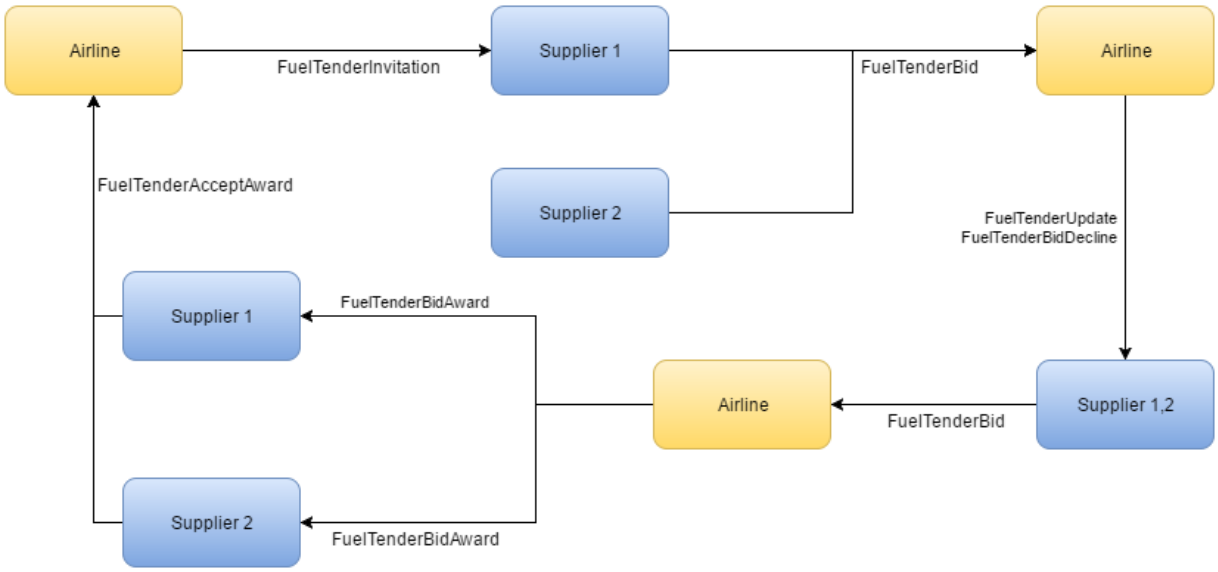
(only 1 supplier moves to the second round)



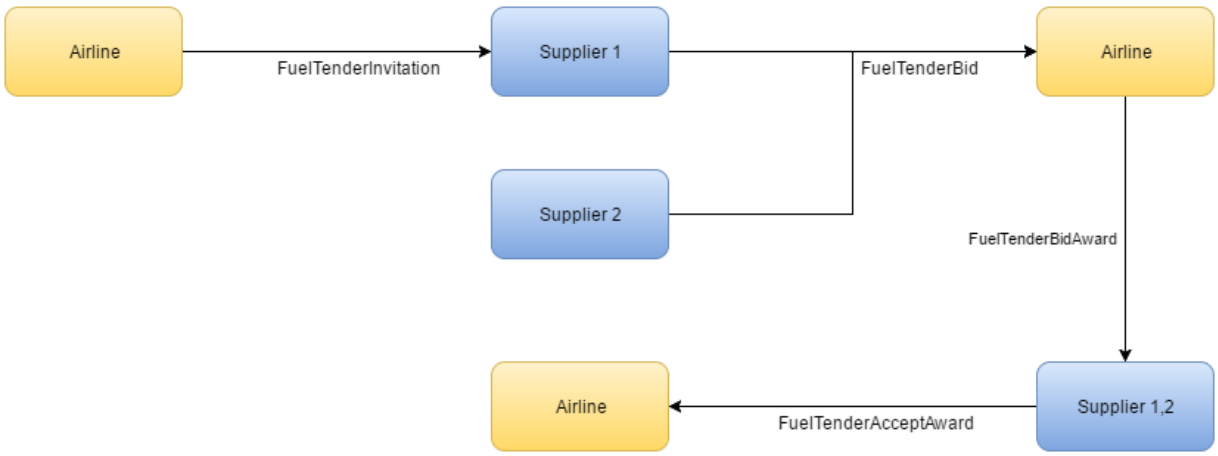
13.3 Cancel tender



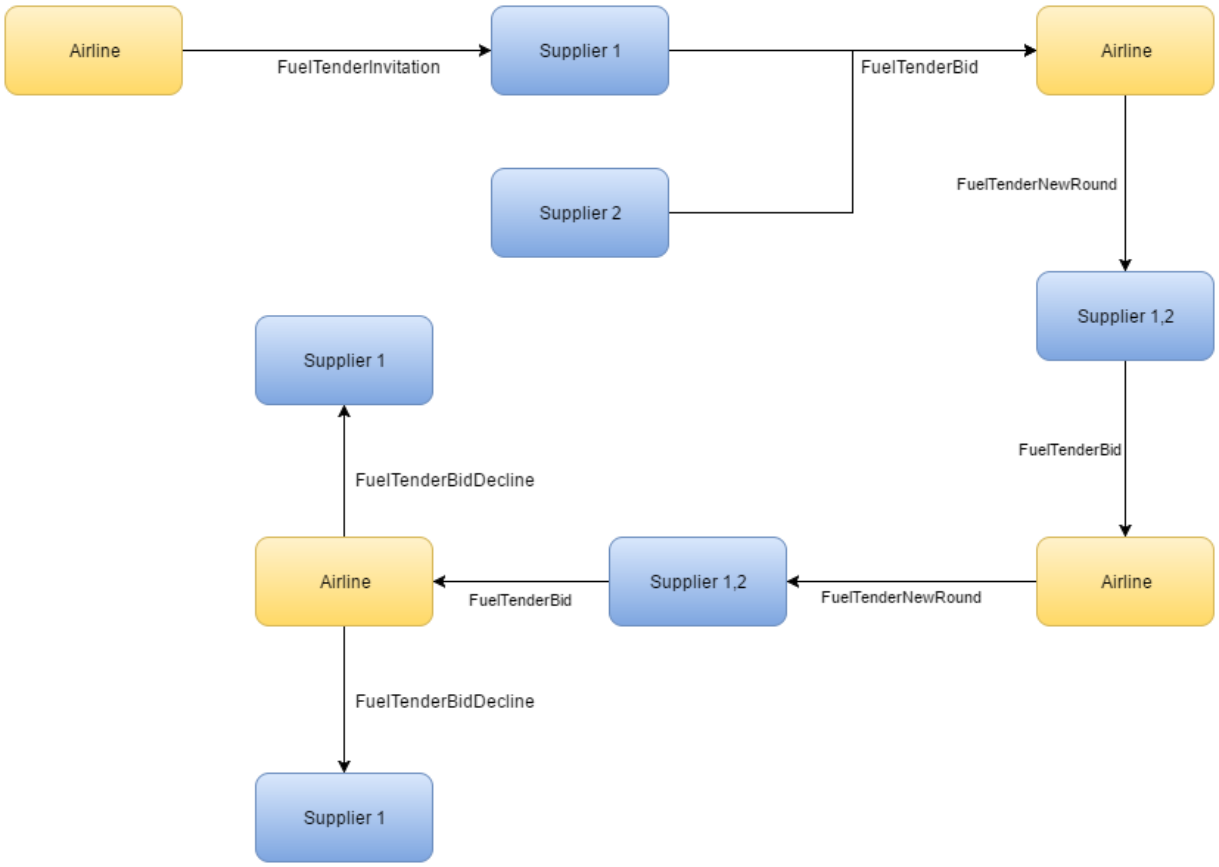
13.4 Update tender



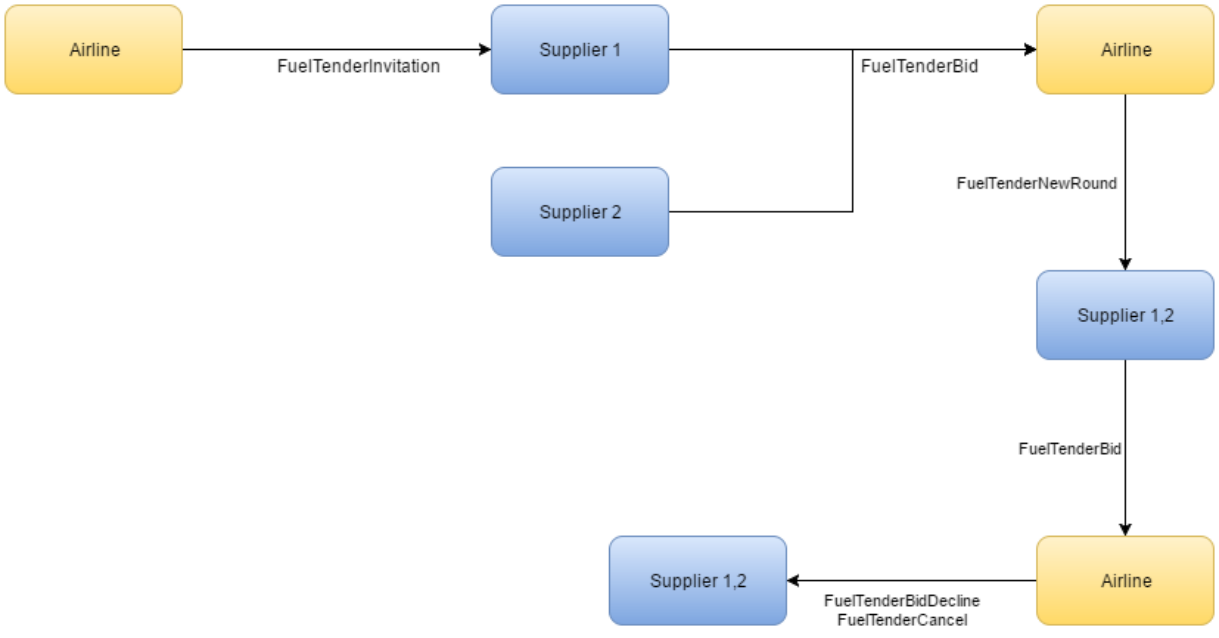
13.5 Award for two suppliers



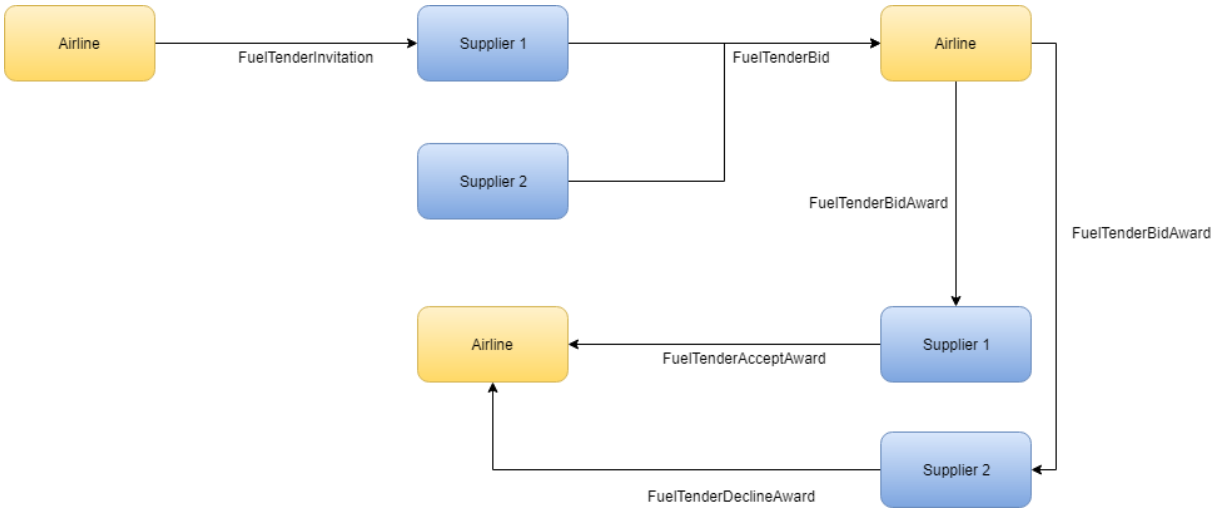
13.6 Bids declined after two rounds



13.7 Tender cancel after one round



13.8 Decline award



14 Use of Codeset

When exchanging data with other parties, it is important to use a standard codeset to ensure each party is referring to the same thing e.g.

- Unit Type Code “LT” as a refers to “Litres” and “KG” refers to “Kilograms”
- Customer Code “AA” refers to “American Airlines” and “LH” refers to “Lufthansa”
- Aircraft Code “747” refers to a “Boeing 747”
- Airport Code “LHR” refers to London Heathrow and “LAX” refers to Los Angeles International
- Currency Code “USD” refers to “US Dollars” and “NOK” refers to “Norwegian Krone”

If such codeset references are not enforced, it can lead to many issues between all parties exchanging data using this method.

To ensure a particular codeset is used, this standard provides a default codeset. This codeset is referred to in the schema and will ensure that when there is no match between what has been entered a specific field and the codeset, the validation will fail.

The spreadsheet reference guide “IATA Fuel Code Directory xxx.xlsx” contains the codeset and can be referenced, to provide additional information about what each code means (as detailed above in the bullet point list).

The Fuel Data Standards group has catered for most use cases in the codeset. However, there may be situations such as where a business entity is not covered within the codeset. This could be due to several reasons such as a newly established entity (e.g. airlines, airport, fuel supplier).

All change requests to the codeset shall be submitted to the Fuel Data Standards Group for consideration and implementation. If a decision is made by the group to adopt a change request then an updated codeset will be released.

15 Business Information

15.1 Bilateral Agreements

Each time the Tender schema is used it is recommended and encouraged that the two parties involved set up and use a bilateral agreement. The objective of the bilateral agreement is to define the expectation the two parties have from the interface, in terms of data, performance, protocol, etc. It will be an important tool when testing the implementation and in the maintenance of the Tender interface. It will enable those designing and implementing the Tender interface to record how it operates in this particular deployment. The bilateral agreement does not replace the schema but can be used alongside, as part of or instead of an Interface Control or Definition document. Appendix B sets out the topics that could be included in a bilateral agreement. The actual contents of the agreement may differ for each implementation and will be defined and agreed by the two parties implementing the Tender interface. It is suggested that a Confidentiality Agreement is also signed between the parties to protect each other's interests.

16 Communication

The Tender standard defines the message data content and high level message control in XML schemas. It does not define the underlying communication protocols used to transport the message. Selection of the communication protocol depends on the data exchange requirements such as:

- Expected reliability
- Guaranteed message delivery
- Sensitivity to message duplication
- Scalability

17 Message Security Standards

Different security measures can be incorporated in a data exchange. Each measure will cover a certain security concern. Some of the security concerns that should be considered in a data exchange are:

- Authenticity
- Integrity
- Availability
- Confidentiality
- Non-repudiation

Message security is outside the scope of the Fuel Tender data standard, but should be agreed and documented in the bilateral agreement between the interfacing parties.

18 Schema Validation

The messages are validated with attached IATA Fuel Tender.xsd

19 Schema Management

The management, maintenance, change requests, and development of the Fuel Tender XML standard is governed by the Fuel Data Standards Working Group.

Appendix A – Versioning methodology

The overall objective of the Group is to maintain the standard as stable as possible. Three categories of changes can be implemented.

Each of them will require a different level of approval before they are implemented.

Changes to the schema:

- Minor change: Changing a comment - will be at IATA's discretion
- Medium change: Additions to the schema that are optional - will be agreed by the Fuel Data Standards Group
- Major change: Removing fields or making structural changes - will be agreed by the Fuel Data Standards Group

Fuel Code Directory:

- Minor change: Adding a code to an existing list within the code directory will be done by IATA following review by the Fuel Data Standards Group.
- Medium change: Adding a new code list to the directory - will be agreed by the Fuel Data Standards Group.
- Major change: Removing a code and/or a code list from the directory -will be agreed by the Fuel Data Standards Group.

The fuel code directory versioning is independent from the versioning of the schemas using the fuel code directory. Parties should change the schema location in the schema file defining the message standard, since the filename of the Fuel Code Directory contains the version of the directory. No new schema will be issued following a change of the Fuel Code Directory.

For each change or group of changes approved by the Group, the version of the standard will be updated accordingly.

Version Convention:

- Minor version changes - increase the second position after the dot (V1.0.X)
- Medium version changes - increase the first position after the dot (V1.X.0)
- Major version changes - change the first position before the dot (VX.0.1)

The Group recognizes the latest major version of the Standards and the previous major version of the Standards. Only the most recent medium or minor versions of the latest and previous major versions are supported. Only the most recent version of a standard is eligible for a schema change. For older supported versions, only the documentation may be updated.

Appendix B – Schema Changes history

Version	Description of Change	Author	Date
0.1	Initial draft	Stefan Casapu	16.10.2015
0.2	Review of the bid and index proposal	Stefan Casapu	24.11.2016
0.3	Final solution to the index identification	Stefan Casapu	22.04.2016
0.4	Merger of the schemas	Stefan Casapu	05.07.2016
0.5	Contribution to the business aspects	Shakti Chopra	20.07.2016
0.6	Contribution to the business aspects	Lasantha Subasinghe	20.07.2016
0.7	Contribution to the business aspects	Houman Goudarzi	20.07.2016
0.8	Revised proces flow diagram Expanded transfer protocols Created data flow diagrams Created section on bilateral agreements and communication	Stefan Casapu	09.07.2016
0.9	Created section on use of codesets	Mark Johnson	09.07.2016
1.0	Consolidation of contributions	Houman Goudarzi	10.07.2016
1.1	Minor edits	Stefan Casapu	11.08.2016
1.2	Minor edits	Houman Goudarzi	17.08.2016
1.3	Final review and edits	Lasantha Subasinghe	17.08.2016
1.4	Changed New Round message to location level	Stefan Casapu	26.09.2016
1.5	Added FuelTenderAcknowledge, FuelTenderNoBid, FuelTenderCancelBid message types Package support, Extended Location key Added the option for multiple delivery options and price specifications on Tender Invitation and Tender Update Expected fees and taxes from airline side	Stefan Casapu	23.10.2017
1.6	Changes to bring the document up to date for 1.0.5 version of the standard: Added FuelTenderDeclineAward message type. Added SchemaVersion in FuelTenderInvitation, FuelTenderUpdate, FuelTenderBid,	Stefan Casapu	04.01.2019

	FuelTenderBidAward, FuelTenderBidDecline, FuelTenderCancel, FuelTenderAcceptAward, FuelTenderDeclineAward, FuelTenderNewRound, FuelTenderResponse,FuelTenderNoBid, FuelTenderCancelBid Added optional element VolumeOfferType in TenderHeader Added optional elements VATApplicability, UOM in BidData Added optional elements VolumeOfferType, UOM in TenderLocation Added optional element VATApplicability in ProductFee, Index, Market Added optional elements Restrictions, VATApplicability in Tax, TaxOnTax Added VolumeOfferType to TenderHeaderUpdate		
1.7	Review document Added eTender process flow diagram and tender message descriptions.	Daniel David	07.01.2019

Appendix C

Fuel Tender Invitation

Level	Element	Description	Validation	Mandatory
0	FuelTenderInvitation	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderHeader			Y
2	TenderIdentification	Identification of the tender		Y
3	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
3	TenderName	Name of tender	Char[100]	N
3	TenderHolderCode	ICAO code of airline	Char[5]	Y
3	TenderHolderName	Name of tender holder company	Char[100]	N
3	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	Uri for the attachd document	Char	N
2	TenderHolderContact			Y
3	Contact			Y
4	ContactPerson	Name of contact person for tender	Char[200]	Y
4	Email	E-Mail of contact person for tender	Char[100]	Y
4	Phone	Work phone of contact person for tender	Char[50]	N
2	TenderType	Type of the tender(Product or Service)	Char[2]	Y
2	BiddingPeriod			N
3	From	Start of tender bidding period	Date	Y
3	To	End of tender bidding period	Date	Y
2	Attention	Additional person involved in tender	Char[200]	N
2	NoOfRounds	Number of estimated rounds from the airline	Number	N
2	VolumeOfferType	Offer type: per airline/per location	Char[3]	N
2	Comments	Additional comments	Char[4000]	N
1	TenderLocations	List of tender locations		Y
2	TenderLocation	Tender invitation for a location		Y
3	LocationHeader			Y
4	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
4	LocationCodeICAO	ICAO code of airports	Char[5]	Y
4	FlightServiceType	Flight type	Char[3]	Y

4	FuelProduct	Code of fuel product	Char[5]	Y
4	ProductTaxType	Product customs	Char[3]	Y
3	AgreementPeriod	Contract Period		Y
4	From	Start of contract period	Date	Y
4	To	End of contract period	Date	Y
3	VolumeOfferType	Offer type: per airline/per location	Char[3]	N
3	AirlinesVolumes	List of airlines included in tender		Y
4	AirlinesVolume/TotalVolume			Y
5	AirlineCode	The airline for which the tender takes place at the current location	Char[3]	Y
5	Volume	Volume needed for the airline	Number	Y
5	UOM	Volume unit	Char[3]	Y
4	PeriodType	Period of tender volume	Char[1]	N
3	ProductServices	Product definition		N
4	ProductService	Product definition		N
5	ProductServiceDetails	Product definition		N
6	FuelSpecification	ASTM Standard Specification D1655 for Aviation Turbine Fuels Jet A /Jet A-1 latest issue	Char[100]	Y
6	DeliveryPoint	Delivery point of fuel	Char[3]	Y
6	IATAServiceLevel	Requested IATA Service level 1 – 4	Char[1]	N
6	OperatingHours	Range of operating hours	Char[100]	N
6	RefuelerCompanyCode	Code of refueler company	Char[5]	N
	TitleTransfer	Point where the owner of the fuel changes i.e at wing, at flange of the pipe	Char[100]	N
6	Comments	Additional comments	Char[4000]	N
5	Payment			N
6	OpenInvoice	Payment terms for open invoice contract		
7	PaymentTerms	Number of days between payment reference date and payment	Number	Y
7	PaymentReferenceDateType	Indicator of date to be used for as baseline for invoice due date calculation	Char[3]	Y
7	InvoiceFrequency	Frequency of invoices	Char[4]	Y
7	InvoiceType	The type of invoice	Char[10]	N
6	Prepayment	Payment terms for prepayment		

7	NumberOfDaysPrepaid	EXAMPLE: Prepayment on Friday for deliveries on Sunday-Saturday; Number of days prepaid: 7 (Sun - Sat)	Number	Y
7	PaymentFirstDeliveryDate	Payment date vs first delivery date: 2 (Friday to Sunday = 2 days)	Number	Y
7	PaymentFrequency	same as invoice frequency for credit terms = prepayment	Char[4]	Y
7	Amount	Amount paid	Number	Y
6	PaymentCurrency	IATA currency code	Char[3]	Y
6	PricingUnit	IATA unit code	Char[3]	Y
6	MethodOfPayment	Method of payment	Char[2]	N
6	GuaranteesDepositsRequired	Indicator If any bank guarantees or money deposits are requested.	Char[1]	N
6	ExchangeRate			Y
7	FinancialSource	Code of exchange rate financial source	Char[20]	Y
7	AverageingMethod	Exchange rate averaging period code	Char[4]	Y
7	AveragingOffset	Exchange rate offset code	Char[3]	Y
5	ProductPricing			N
6	Index	Product pricing in case pricing method is Index		N
7	IndexProvider	Index provider code	Char[20]	Y
7	IndexProviderCode	Index provider's Internal index code	Char[100]	Y
7	AveragingMethod	Index averaging method	Char[4]	Y
7	IndexConversion			Y
8	Density	Density of fuel	Number	N
8	DensityWeightUnit	Density weight unit	Char[3]	N
8	DensityVolumeUnit	Density volume unit	Char[3]	N
8	FromUnit	From unit for conversion of index values	Char[3]	Y
8	ToUnit	To unit for conversion of index values	Char[3]	Y
8	ConvOperator	Operator of conversion		Y
8	Factor	Conversion factor	Number	Y
7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
6	Market	Market Price in case pricing method is market		Y
7	Rate	Fixed rate		Y
7	Currency	Market price currency		Y
7	UOM	Market price measurement unit		Y
7	SourceType	Market price source		Y
7	SourceName	Market price source description		N

7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	ProductsFees			Y
6	ProductFee			Y
7	SortID	internal ID for price category to be referenced by dependent Tax records	Number	Y
7	ItemProductID	Product and Fee code	Char[5]	Y
7	ItemProductAlias	An identifier used to differentiate between fees when more then one instance is sent(Eg: Pipeline Fee)	Char[100]	N
7	Price			Y
8	PricingUnitRateType	Rate type	Char[2]	Y
8	PricingUnitRate	Price of product or fee	Number	Y
8	PricingCurrencyCode	Currency of price	Char[3]	Y
8	PricingUOM	Unit of price	Char[3]	Y
7	ExchangeRate			N
8	FinancialSource	Financial source of exchange rate	Char[20]	Y
8	AveragingPeriod	Averaging Period	Char[4]	Y
8	AveragingOffset	Averaging Offset	Char[3]	Y
7	Explanation	Additional information	Char[4000]	N
7	Restrictions			N
8	Restriction			Y
9	Scope	Item to which the restriction/condition relates	Char[2]	Y
9	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
9	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
9	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
9	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
7	Taxes	Container for taxes		N
8	Tax	Definition of tax		N
9	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
9	TaxType	Tax code	Char[3]	Y
9	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
9	TaxCategoryCode	Tax Category Code	Char[1]	Y
9	Price			Y
10	PricingUnitRateType	Rate type	Char[2]	Y
10	PricingUnitRate	Price of product or fee	Number	Y

10	PricingCurrencyCode	Currency of price	Char[3]	Y
10	PricingUOM	Unit of price	Char[3]	Y
9	ExchangeRate			N
10	FinancialSource	financial source of exchange rate	Char[20]	Y
10	AveragingPeriod	Averaging Period	Char[4]	Y
10	AveragingOffset	Averaging Offset	Char[3]	Y
9	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
9	TaxOnTaxes	Container for tax on taxes		N
10	TaxOnTax	Definition of tax on tax		N
11	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
11	TaxType	Tax code	Char[3]	Y
11	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
11	TaxCategoryCode	Tax Category Code	Char[1]	Y
11	Price			
12	PricingUnitRateType	Rate type	Char[2]	Y
12	PricingUnitRate	Price of product or fee	Number	Y
12	PricingCurrencyCode	Currency of price	Char[3]	Y
12	PricingUOM	Unit of price	Char[3]	Y
11	ExchangeRate			N
12	FinancialSource	financial source of exchange rate	Char[20]	Y
12	AveragingPeriod	Averaging Period	Char[4]	Y
12	AveragingOffset	Averaging Offset	Char[3]	Y
11	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
11	Restrictions			N
12	Restriction			Y
13	Scope	Item to which the restriction/condition relates	Char[2]	Y
13	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
13	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
13	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
13	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N

11	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
9	Restrictions			N
10	Restriction			Y
11	Scope	Item to which the restriction/condition relates	Char[2]	Y
11	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
11	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
11	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
11	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
10	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	ExpectedFeesAndTaxes	List of expected fees and taxes		N
6	ExpectedFees	List of expected fees		N
7	ExpectedFee	Expected fee		Y
8	ItemProductID	Product and Fee code	Char[5]	Y
8	ItemProductAlias	An identifier used to differentiate between fees when more then one instance is sent(Eg: Pipeline Fee)	Char[100]	N
6	ExpectedTaxes	List of expected taxes		N
7	ExpectedTax	Expected tax		Y
8	TaxType	Tax code	Char[3]	Y
8	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
3	BiddingRounds	Round Calendar		N
4	Round	Round definition		Y
5	RoundNo	Round No	Number	Y
5	BiddingPeriod	The Bidding period of the round		Y
6	From	From date	Date	Y
6	To	To date	Date	Y
5	BidOpening	The opening date of the round	Date	N
1	TenderPackages	Package bundle container		N
2	TenderPackage	Package description		Y
3	PackageIdentifier	Identification of the package		Y
4	PackageCode	Package unique code	Char[20]	Y
4	PackageDescription	Package business description	Char[100]	N
3	TenderPackageItems	Package item bundle		Y
4	TenderPackageItem	Package Item		Y

5	LocationHeader	Location		Y
6	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
6	LocationCodeICAO	ICAO code of airports	Char[5]	Y
6	FlightServiceType	Flight type	Char[3]	Y
6	FuelProduct	Code of fuel product	Char[5]	Y
6	ProductTaxType	Product customs	Char[3]	Y
5	Airlines	List of airlines included in the package		Y
6	AirlineCode	IATA airline code	Char[5]	Y

Fuel Tender Bid

Level	Element	Description	Validation	Mandatory
0	FuelTenderBid	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	BidTenderHeader			Y
2	TenderIdentification	Identification of the tender		Y
3	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
3	TenderName	Name of tender	Char[100]	N
3	TenderHolderCode	ICAO code of airline	Char[5]	Y
3	TenderHolderName	Name of tender holder company	Char[100]	N
3	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
2	BidderCode	IATA bidder code	Char[3]	Y
2	BidderName	Bidder name	Char[100]	Y
2	BidderContact			Y
3	Contact			Y
4	ContactPerson	Name of contact person for tender	Char[200]	Y
4	Email	E-Mail of contact person for tender	Char[100]	Y
4	Phone	Work phone of contact person for tender	Char[50]	N
2	Attention	Additional person involved in tender	Char[200]	N
2	Comments	Additional comments	Char[4000]	N
1	Bids	List of tender bids		Y
2	Bid	Bid description		Y
3	BidIdentification			Y

4	BidderCode	IATA bidder code	Char[3]	Y
4	BidRevision	The revision of the bid	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y
4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
5	FlightServiceType	Flight type	Char[3]	Y
5	FuelProduct	Code of fuel product	Char[5]	Y
5	ProductTaxType	Product customs	Char[3]	Y
5	PackageIdentifier	Identification of the package		N
6	PackageCode	Package unique code	Char[20]	Y
6	PackageDescription	Package business description	Char[100]	Y
5	Documents	Attached documents list		N
6	DocumentURI	URI of the document	Char	Y
3	BidData			Y
4	BidHeader	The bid header		Y
5	AgreementPeriod			Y
6	From	Start of contract period	Date	Y
6	To	End of contract period	Date	Y
5	BidValidityPeriod			N
6	From	The date of the offer	Date	N
6	To	The end date for the offer	Date	N
5	BidVolumeMeasurement	Volume measurement(Gross/Net)	Char[2]	N
5	PercentageOfTenderVolume	The percentage of total volume covered	Number	N
5	VolumeTolerance	The accepted tolerance	Number	N
5	Attention	Additional person involved in tender	Char[200]	N
5	Comments	Additional comments	Char[4000]	N
5	BidderBidCode	Internal code of the vendor	Char[200]	N
4	AirlinesVolumes	List of airlines included in tender		Y
5	AirlinesVolume/TotalVolume			Y
6	AirlineCode	The airline for which the tender takes place at the current location	Char[3]	Y
6	Volume	Volume needed for the airline	Number	Y
6	UOM	Volume unit	Char[3]	Y
5	PeriodType	Period of tender volume	Char[1]	N
4	ProductServiceDetails	Product definition		Y

5	FuelSpecification	ASTM Standard Specification D1655 for Aviation Turbine Fuels Jet A /Jet A-1 latest issue	Char[100]	Y
5	IATAServiceLevel	Requested IATA Service level 1 – 4	Char[1]	N
5	DeliveryPoint	Delivery point of fuel	Char[3]	Y
5	OperatingHours	Range of operating hours	Char[100]	N
5	RefuelerCompanyCode	Code of refueler company	Char[5]	N
5	TitleTransfer	Point where the owner of the fuel changes i.e at wing, at flange of the pipe	Char[100]	N
5	Comments	Additional comments	Char[4000]	N
4	Payment			Y
5	OpenInvoice	Payment terms for open invoice contract		
6	PaymentTerms	Number of days between payment reference date and payment	Number	Y
6	PaymentReferenceDate	Indicator of date to be used for as baseline for invoice due date calculation	Char[3]	Y
6	InvoiceFrequency	Frequency of invoices	Char[4]	Y
6	InvoiceType	The type of invoice	Char[10]	N
5	Prepayment	Payment terms for prepayment		
6	NumberOfDaysPrepaid	EXAMPLE: Prepayment on Friday for deliveries on Sunday-Saturday; Number of days prepaid: 7 (Sun - Sat)	Number	Y
6	PaymentFirstDeliveryDate	Payment date vs first delivery date: 2 (Friday to Sunday = 2 days)	Number	Y
6	PaymentFrequency	same as invoice frequency for credit terms = prepayment	Char[4]	Y
6	Amount	Amount paid	Number	Y
5	PaymentCurrency	IATA currency code	Char[3]	Y
5	PricingUnit	IATA unit code	Char[3]	Y
5	MethodOfPayment	Method of payment	Char[2]	N
5	GuaranteesDepositsRequired	Indicator If any bank guarantees or money deposits are requested.	Char[1] Values : Y, N	N
5	ExchangeRate			Y
6	FinancialSource	Code of exchange rate financial source	Char[20]	Y
6	AverageingMethod	Exchange rate averaging period code	Char[4]	Y
6	AveragingOffset	Exchange rate offset code	Char[3]	Y
4	ProductPricing			Y

5	Index	Product pricing in case pricing method is Index		Y
6	IndexProvider	Index provider code	Char[20]	Y
6	IndexProviderCode	Index provider's Internal index code	Char[100]	Y
6	AveragingMethod	Index averaging method	Char[4]	Y
6	AveragingOffset	Index averaging offset	Char[3]	Y
6	IndexConversion			Y
7	Density	Density of fuel	Number	N
7	DensityWeightUnit	Density weight unit	Char[3]	N
7	DensityVolumeUnit	Density volume unit	Char[3]	N
7	FromUnit	From unit for conversion of index values	Char[3]	Y
7	ToUnit	To unit for conversion of index values	Char[3]	Y
7	ConvOperator	Operator of conversion		Y
7	Factor	Conversion factor	Number	Y
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	Market	Product pricing in case pricing method is Market		Y
6	Rate	Product price rate	Number	Y
6	Currency	Product price currency	Char[3]	Y
6	Unit	Product price unit	Char[3]	Y
6	SourceType	Source type of the product price	Char[1]	Y
6	SourceName	Source name	Char[200]	N
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
4	ProductsFees			Y
5	ProductFee			Y
6	SortID	internal ID for price category to be referenced by dependent Tax records	Number	Y
6	ItemProductID	Product and Fee code	Char[5]	Y
6	ItemProductAlias	An identifier used to differentiate between fees when more than one instance is sent(Eg: Pipeline Fee)	Char[100]	N
6	Price			Y
7	PricingUnitRateType	Rate type	Char[2]	Y
7	PricingUnitRate	Price of product or fee	Number	Y
7	PricingCurrencyCode	Currency of price	Char[3]	Y
7	PricingUOM	Unit of price	Char[3]	Y
6	ExchangeRate			N
7	FinancialSource	financial source of exchange rate	Char[20]	Y
7	AveragingPeriod	Averaging Period	Char[4]	Y
7	AveragingOffset	Averaging Offset	Char[3]	Y

6	Explanation	Additional information	Char[4000]	N
6	Restrictions			N
7	Scope	Item to which the restriction/condition relates	Char[2]	Y
7	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
7	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
7	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
7	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
6	Taxes	Container for taxes		N
7	Tax	Definition of tax		N
8	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
8	TaxType	Tax code	Char[3]	Y
8	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
8	TaxCategoryCode	Tax Category Code	Char[1]	Y
8	Price			Y
9	PricingUnitRateType	Rate type	Char[2]	Y
9	PricingUnitRate	Price of product or fee	Number	Y
9	PricingCurrencyCode	Currency of price	Char[3]	Y
9	PricingUOM	Unit of price	Char[3]	Y
8	ExchangeRate			N
9	FinancialSource	financial source of exchange rate	Char[20]	Y
9	AveragingPeriod	Averaging Period	Char[4]	Y
9	AveragingOffset	Averaging Offset	Char[3]	Y
8	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
8	TaxOnTaxes	Container for tax on taxes		N
9	TaxOnTax	Definition of tax on tax		N
10	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y

10	TaxType	Tax code	Char[3]	Y
10	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
10	TaxCategoryCode	Tax Category Code	Char[1]	Y
10	Price			
11	PricingUnitRateType	Rate type	Char[2]	Y
11	PricingUnitRate	Price of product or fee	Number	Y
11	PricingCurrencyCode	Currency of price	Char[3]	Y
11	PricingUOM	Unit of price	Char[3]	Y
10	ExchangeRate			N
11	FinancialSource	financial source of exchange rate	Char[20]	Y
11	AveragingPeriod	Averaging Period	Char[4]	Y
11	AveragingOffset	Averaging Offset	Char[3]	Y
10	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
10	Restrictions			N
11	Restriction			Y
12	Scope	Item to which the restriction/condition relates	Char[2]	Y
12	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
12	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
12	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
12	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
10	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
8	Restrictions			N
9	Restriction			Y
10	Scope	Item to which the restriction/condition relates	Char[2]	Y
10	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
10	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
10	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
10	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
9	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
4	UOM	Default price component measurem		

4	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N

Fuel Tender Update

Level	Element	Description	Validation	Mandatory
0	FuelTenderUpdate	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderHeaderUpdate			Y
2	TenderIdentification	Identification of the tender		Y
3	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
3	TenderName	Name of tender	Char[100]	N
3	TenderHolderCode	ICAO code of airline	Char[5]	Y
3	TenderHolderName	Name of tender holder company	Char[100]	N
3	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
2	TenderHolderContact			Y
3	Contact			Y
4	ContactPerson	Name of contact person for tender	Char[200]	Y
4	Email	E-Mail of contact person for tender	Char[100]	Y
4	Phone	Work phone of contact person for tender	Char[50]	N
2	BiddingPeriod			N
3	From	Start of tender bidding period	Date	Y
3	To	End of tender bidding period	Date	Y
2	Attention	Additional person involved in tender	Char[200]	N
2	Comments	Additional comments	Char[4000]	N
2	VolumeOfferType	Offer type: per airline/per location	Char[3]	N
1	TenderLocations	List of tender locations		Y
2	TenderLocation	Tender invitation for a location		Y
3	LocationHeader			Y
4	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
4	LocationCodeICAO	ICAO code of airports	Char[5]	Y
4	FlightServiceType	Flight type	Char[3]	Y
4	FuelProduct	Code of fuel product	Char[5]	Y

4	ProductTaxType	Product customs	Char[3]	Y
3	AgreementPeriod	Contract Period		Y
4	From	Start of contract period	Date	Y
4	To	End of contract period	Date	Y
3	VolumeOfferType	Offer type: per airline/per location	Char[3]	N
3	AirlinesVolumes	List of airlines included in tender		Y
4	AirlinesVolume/TotalVolume		Y	
5	AirlineCode	The airline for which the tender takes place at the current location	Char[3]	Y
5	Volume	Volume needed for the airline	Number	Y
5	UOM	Volume Unit	Char[3]	Y
4	PeriodType	Period of tender volume	Char[1]	N
3	ProductServices	Product definition		N
4	ProductService	Product definition		N
5	ProductServiceDetails	Product definition		N
6	FuelSpecification	ASTM Standard Specification D1655 for Aviation Turbine Fuels Jet A /Jet A-1 latest issue	Char[100]	Y
6	DeliveryPoint	Delivery point of fuel	Char[3]	Y
6	IATAServiceLevel	Requested IATA Service level 1 – 4	Char[1]	N
6	OperatingHours	Range of operating hours	Char[100]	N
6	RefuelerCompanyCode	Code of refueler company	Char[5]	N
	TitleTransfer	Point where the owner of the fuel changes i.e at wing, at flange of the pipe	Char[100]	N
6	Comments	Additional comments	Char[4000]	N
5	Payment			N
6	OpenInvoice	Payment terms for open invoice contract		
7	PaymentTerms	Number of days between payment reference date and payment	Number	Y
7	PaymentReferenceDateType	Indicator of date to be used for as baseline for invoice due date calculation	Char[3]	Y
7	InvoiceFrequency	Frequency of invoices	Char[4]	Y
7	InvoiceType	The type of invoice	Char[10]	N
6	Prepayment	Payment terms for prepayment		
7	NumberOfDaysPrepaid	EXAMPLE: Prepayment on Friday for deliveries on Sunday-Saturday; Number of days prepaid: 7 (Sun - Sat)	Number	Y
7	PaymentFirstDeliveryDate	Payment date vs first delivery date: 2 (Friday to Sunday = 2 days)	Number	Y
7	PaymentFrequency	same as invoice frequency for credit terms = prepayment	Char[4]	Y
7	Amount	Amount paid	Number	Y
6	PaymentCurrency	IATA currency code	Char[3]	Y

6	PricingUnit	IATA unit code	Char[3]	Y
6	MethodOfPayment	Method of payment	Char[2]	N
6	GuaranteesDepositsRequired	Indicator If any bank guarantees or money deposits are requested.	Char[1]	N
6	ExchangeRate			Y
7	FinancialSource	Code of exchange rate financial source	Char[20]	Y
7	AverageingMethod	Exchange rate averaging period code	Char[4]	Y
7	AveragingOffset	Exchange rate offset code	Char[3]	Y
5	ProductPricing			N
6	Index	Product pricing in case pricing method is Index		N
7	IndexProvider	Index provider code	Char[20]	Y
7	IndexProviderCode	Index provider's Internal index code	Char[100]	Y
7	AveragingMethod	Index averaging method	Char[4]	Y
7	IndexConversion			Y
8	Density	Density of fuel	Number	N
8	DensityWeightUnit	Density weight unit	Char[3]	N
8	DensityVolumeUnit	Density volume unit	Char[3]	N
8	FromUnit	From unit for conversion of index values	Char[3]	Y
8	ToUnit	To unit for conversion of index values	Char[3]	Y
8	ConvOperator	Operator of conversion		Y
8	Factor	Conversion factor	Number	Y
7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
6	Market	Market Price in case pricing method is market		Y
7	Rate	Fixed rate		Y
7	Currency	Market price currency		Y
7	UOM	Market price measurement unit		Y
7	SourceType	Market price source		Y
7	SourceName	Market price source description		N
7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	ProductsFees			Y
6	ProductFee			Y
7	SortID	internal ID for price category to be referenced by dependent Tax records	Number	Y
7	ItemProductID	Product and Fee code	Char[5]	Y
7	ItemProductAlias	An identifier used to differentiate between fees when more then one instance is sent(Eg: Pipeline Fee)	Char[100]	N
7	Price			Y

8	PricingUnitRateType	Rate type	Char[2]	Y
8	PricingUnitRate	Price of product or fee	Number	Y
8	PricingCurrencyCode	Currency of price	Char[3]	Y
8	PricingUOM	Unit of price	Char[3]	Y
7	ExchangeRate			N
8	FinancialSource	financial source of exchange rate	Char[20]	Y
8	AveragingPeriod	Averaging Period	Char[4]	Y
8	AveragingOffset	Averaging Offset	Char[3]	Y
7	Explanation	Additional information	Char[4000]	N
7	Restrictions			N
8	Restriction			Y
9	Scope	Item to which the restriction/condition relates	Char[2]	Y
9	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
9	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
9	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
9	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
7	Taxes	Container for taxes		N
8	Tax	Definition of tax		N
9	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
9	TaxType	Tax code	Char[3]	Y
9	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
9	TaxCategoryCode	Tax Category Code	Char[1]	Y
9	Price			Y
10	PricingUnitRateType	Rate type	Char[2]	Y
10	PricingUnitRate	Price of product or fee	Number	Y
10	PricingCurrencyCode	Currency of price	Char[3]	Y
10	PricingUOM	Unit of price	Char[3]	Y
9	ExchangeRate			N
10	FinancialSource	financial source of exchange rate	Char[20]	Y
10	AveragingPeriod	Averaging Period	Char[4]	Y
10	AveragingOffset	Averaging Offset	Char[3]	Y
9	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
9	TaxOnTaxes	Container for tax on taxes		N

10	TaxOnTax	Definition of tax on tax		N
11	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
11	TaxType	Tax code	Char[3]	Y
11	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
11	TaxCategoryCode	Tax Category Code	Char[1]	Y
11	Price			
12	PricingUnitRateType	Rate type	Char[2]	Y
12	PricingUnitRate	Price of product or fee	Number	Y
12	PricingCurrencyCode	Currency of price	Char[3]	Y
12	PricingUOM	Unit of price	Char[3]	Y
11	ExchangeRate			N
12	FinancialSource	financial source of exchange rate	Char[20]	Y
12	AveragingPeriod	Averaging Period	Char[4]	Y
12	AveragingOffset	Averaging Offset	Char[3]	Y
11	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
11	Restrictions			N
12	Restriction			Y
13	Scope	Item to which the restriction/condition relates	Char[2]	Y
13	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
13	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
13	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
13	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
12	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
9	Restrictions			N
10	Restriction			Y
11	Scope	Item to which the restriction/condition relates	Char[2]	Y
11	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
11	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
11	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
11	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N

10	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
7	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	ExpectedFeesAndTaxes	List of expected dees and taxes		N
6	ExpectedFees	List of expected fees		N
7	ExpectedFee	Expected fee		Y
8	ItemProductID	Product and Fee code	Char[5]	Y
8	ItemProductAlias	An identifier used to differentiate between fees when more then one instance is sent(Eg: Pipeline Fee)	Char[100]	N
6	ExpectedTaxes	List of expected taxes		N
7	ExpectedTax	Expected tax		Y
8	TaxType	Tax code	Char[3]	Y
8	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
3	BiddingRounds	Round Calendar		N
4	Round	Round definition		Y
5	RoundNo	Round No	Number	Y
5	BiddingPeriod	The Bidding period of the round		Y
6	From	From date	Date	Y
6	To	To date	Date	Y
5	BidOpening	The opening date of the round	Date	N
1	TenderPackages	Package bundle container		N
2	TenderPackage	Package description		Y
3	PackageIdentifier	Identification of the package		Y
4	PackageCode	Package unique code	Char[20]	Y
4	PackageDescription	Package business description	Char[100]	N
3	TenderPackageItems	Package item bundle		Y
4	TenderPackageItem	Package Item		Y
5	LocationHeader	Location		Y
6	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
6	LocationCodeICAO	ICAO code of airports	Char[5]	Y
6	FlightServiceType	Flight type	Char[3]	Y
6	FuelProduct	Code of fuel product	Char[5]	Y
6	ProductTaxType	Product customs	Char[3]	Y
5	Airlines	List of airlines included in the package		Y
6	AirlineCode	IATA airline code	Char[5]	Y

Fuel Tender Bid Award

Level	Element	Description	Validation	Mandatory
0	FuelTenderBidAward	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	AwardedBids			Y
2	AwardedBid			Y
3	BidIdentification			Y
4	BidderCode	IATA bidder code	Char[3]	Y
4	BiddingRound	The round of negotiations	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y
4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
4	FlightServiceType	Flight type	Char[3]	Y
4	FuelProduct	Code of fuel product	Char[5]	Y
4	P roductTaxType	Product customs	Char[3]	Y
4	PackageIdentifier	Identification of the package		N
5	PackageCode	Package unique code	Char[20]	Y
6	PackageDescription	Package business description	Char[100]	Y
4	Documents	Attached documents list		N
5	DocumentURI	URI of the document	Char	Y
3	AwardedVolume			Y
4	AirlinesVolume/TotalVolume			Y
5	AirlineCode	The airline for which the tender takes place at the current location	Char[3]	Y

5	Volume	Volume needed for the airline	Number	Y
5	UOM	Volume unit	Char[3]	Y
4	PercentageOfTenderVolume	Percentage covered by the bid from the total volume in the tender	Number	Y
3	Comments	Business comments	Char[4000]	N

Fuel Tender Bid Decline

Level	Element	Description	Validation	Mandatory
0	FuelTenderBidDecline	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	DeclinedBids			Y
2	DeclinedBid			Y
3	BidIdentification			Y
4	BidderCode	IATA bidder code	Char[3]	Y
4	BidRevision	The bid revision	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y
4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
5	FlightServiceType	Flight type	Char[3]	Y
5	FuelProduct	Code of fuel product	Char[5]	Y
5	ProductTaxType	Product customs	Char[3]	Y
4	PackageIdentifier	Identification of the package		N
5	PackageCode	Package unique code	Char[20]	N
5	PackageDescription	Package business description	Char[100]	N

4	Documents	Attached documents list		N
5	DocumentURI	URI of the document	Char	Y
3	Comments	Business comments	Char[4000]	N

Fuel Tender Cancel

Level	Element	Description	Validation	Mandatory
0	FuelTenderCancel	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	Comments	Business comments	Char[4000]	N

Fuel Tender Accept Award

Level	Element	Description	Validation	Mandatory
0	FuelTenderAcceptAward	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	AcceptedBids			Y
2	Bid	Bid description		Y
3	BidIdentification			Y
4	BidderCode	IATA bidder code	Char[3]	Y
4	BidRevision	The revision of the bid	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y

4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
5	FlightServiceType	Flight type	Char[3]	Y
5	FuelProduct	Code of fuel product	Char[5]	Y
5	ProductTaxType	Product customs	Char[3]	Y
5	PackageIdentifier	Identification of the package		N
6	PackageCode	Package unique code	Char[20]	Y
6	PackageDescription	Package business description	Char[100]	Y
5	Documents	Attached documents list		N
6	DocumentURI	URI of the document	Char	Y
3	BidData			Y
4	BidHeader	The bid header		Y
5	AgreementPeriod			Y
6	From	Start of contract period	Date	Y
6	To	End of contract period	Date	Y
5	BidValidityPeriod			N
6	From	The date of the offer	Date	N
6	To	The end date for the offer	Date	N
5	BidVolumeMeasurement	Volume measurement(Gross/Net)	Char[2]	N
5	PercentageOfTenderVolume	The percentage of total volume covered	Number	N
5	VolumeTolerance	The accepted tolerance	Number	N
5	Attention	Additional person involved in tender	Char[200]	N
5	Comments	Additional comments	Char[4000]	N
5	BidderBidCode	Internal code of the vendor	Char[200]	N
4	AirlinesVolumes	List of airlines included in tender		Y
5	AirlinesVolume/TotalVolume		Y	
6	AirlineCode	The airline for which the tender takes place at the current location	Char[3]	Y
6	Volume	Volume needed for the airline	Number	Y
6	UOM	Volume unit	Char[3]	Y
5	PeriodType	Period of tender volume	Char[1]	N
4	ProductServiceDetails	Product definition		Y
5	FuelSpecification	ASTM Standard Specification D1655 for Aviation Turbine Fuels Jet A /Jet A-1 latest issue	Char[100]	Y
5	IATAServiceLevel	Requested IATA Service level 1 – 4	Char[1]	N
5	DeliveryPoint	Delivery point of fuel	Char[3]	Y
5	OperatingHours	Range of operating hours	Char[100]	N

5	RefuelerCompanyCode	Code of refueler company	Char[5]	N
5	TitleTransfer	Point where the owner of the fuel changes i.e at wing, at flange of the pipe	Char[100]	N
5	Comments	Additional comments	Char[4000]	N
4	Payment			Y
5	OpenInvoice	Payment terms for open invoice contract		
6	PaymentTerms	Number of days between payment reference date and payment	Number	Y
6	PaymentReferenceDate	Indicator of date to be used for as baseline for invoice due date calculation	Char[3]	Y
6	InvoiceFrequency	Frequency of invoices	Char[4]	Y
6	InvoiceType	The type of invoice	Char[10]	N
5	Prepayment	Payment terms for prepayment		
6	NumberOfDaysPrepaid	EXAMPLE: Prepayment on Friday for deliveries on Sunday-Saturday; Number of days prepaid: 7 (Sun - Sat)	Number	Y
6	PaymentFirstDeliveryDate	Payment date vs first delivery date: 2 (Friday to Sunday = 2 days)	Number	Y
6	PaymentFrequency	same as invoice frequency for credit terms = prepayment	Char[4]	Y
6	Amount	Amount paid	Number	Y
5	PaymentCurrency	IATA currency code	Char[3]	Y
5	PricingUnit	IATA unit code	Char[3]	Y
5	MethodOfPayment	Method of payment	Char[2]	N
5	GuaranteesDepositsRequired	Indicator If any bank guarantees or money deposits are requested.	Char[1]	N
5	ExchangeRate			Y
6	FinancialSource	Code of exchange rate financial source	Char[20]	Y
6	AverageingMethod	Exchange rate averaging period code	Char[4]	Y
6	AveragingOffset	Exchange rate offset code	Char[3]	Y
4	ProductPricing			Y
5	Index	Product pricing in case pricing method is Index		Y
6	IndexProvider	Index provider code	Char[20]	Y
6	IndexProviderCode	Index provider's Internal index code	Char[100]	Y
6	AveragingMethod	Index averaging method	Char[4]	Y
6	AveragingOffset	Index averaging offset	Char[3]	Y
6	IndexConversion			Y
7	Density	Density of fuel	Number	N
7	DensityWeightUnit	Density weight unit	Char[3]	N
7	DensityVolumeUnit	Density volume unit	Char[3]	N
7	FromUnit	From unit for conversion of index values	Char[3]	Y
7	ToUnit	To unit for conversion of index values	Char[3]	Y

7	ConvOperator	Operator of conversion		Y
7	Factor	Conversion factor	Number	Y
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
5	Market	Product pricing in case pricing method is Market		Y
6	Rate	Product price rate	Number	Y
6	Currency	Product price currency	Char[3]	Y
6	Unit	Product price unit	Char[3]	Y
6	SourceType	Source type of the product price	Char[1]	Y
6	SourceName	Source name	Char[200]	N
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
4	ProductsFees			Y
5	ProductFee			Y
6	SortID	internal ID for price category to be referenced by dependent Tax records	Number	Y
6	ItemProductID	Product and Fee code	Char[5]	Y
6	ItemProductAlias	An identifier used to differentiate between fees when more then one instance is sent(Eg: Pipeline Fee)	Char[100]	N
6	Price			Y
7	PricingUnitRateType	Rate type	Char[2]	Y
7	PricingUnitRate	Price of product or fee	Number	Y
7	PricingCurrencyCode	Currency of price	Char[3]	Y
7	PricingUOM	Unit of price	Char[3]	Y
6	ExchangeRate			N
7	FinancialSource	financial source of exchange rate	Char[20]	Y
7	AveragingPeriod	Averaging Period	Char[4]	Y
7	AveragingOffset	Averaging Offset	Char[3]	Y
6	Explanation	Additional information	Char[4000]	N
6	Restrictions			N
7	Scope	Item to which the restriction/condition relates	Char[2]	Y
7	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
7	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
7	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
7	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
6	Taxes	Container for taxes		N
7	Tax	Definition of tax		N

8	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
8	TaxType	Tax code	Char[3]	Y
8	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
8	TaxCategoryCode	Tax Category Code	Char[1]	Y
8	Price			Y
9	PricingUnitRateType	Rate type	Char[2]	Y
9	PricingUnitRate	Price of product or fee	Number	Y
9	PricingCurrencyCode	Currency of price	Char[3]	Y
9	PricingUOM	Unit of price	Char[3]	Y
8	ExchangeRate			N
9	FinancialSource	financial source of exchange rate	Char[20]	Y
9	AveragingPeriod	Averaging Period	Char[4]	Y
9	AveragingOffset	Averaging Offset	Char[3]	Y
8	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
8	TaxOnTaxes	Container for tax on taxes		N
9	TaxOnTax	Definition of tax on tax		N
10	SortID	internal ID for tax component to be referenced by dependent Tax on Tax records	Number	Y
10	TaxType	Tax code	Char[3]	Y
10	TaxAlias	An identifier used to differentiate when more then1 instance of the same tax at the same level is needed	Char[100]	N
10	TaxCategoryCode	Tax Category Code	Char[1]	Y
10	Price			
11	PricingUnitRateType	Rate type	Char[2]	Y
11	PricingUnitRate	Price of product or fee	Number	Y
11	PricingCurrencyCode	Currency of price	Char[3]	Y
11	PricingUOM	Unit of price	Char[3]	Y
10	ExchangeRate			N
11	FinancialSource	financial source of exchange rate	Char[20]	Y
11	AveragingPeriod	Averaging Period	Char[4]	Y
11	AveragingOffset	Averaging Offset	Char[3]	Y
10	TaxExemptible	Some taxes must be charged, unless the airline provides an exemption certificate. This item indicates that a tax is potentially exemptible.	Char[1]	N
10	Restrictions			N

11	Restriction			Y
12	Scope	Item to which the restriction/condition relates	Char[2]	Y
12	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
12	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
12	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
12	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
11	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
8	Restrictions			N
9	Restriction			Y
10	Scope	Item to which the restriction/condition relates	Char[2]	Y
10	Operator	Value of restriction/condition depending on the value in scope	Char[1]	Y
10	Value1	Value of restriction/condition depending on the value in scope	Char[100]	N
10	Value2	Value of restriction/condition depending on the value in scope	Char[100]	N
10	UOM	Unit code in case restriction/condition refers to a volume or time.	Char[3]	N
9	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
6	VATApplicability	VAT is applicable domestic/international or both	Char[3]	N
4	UOM	Default unit of measurement	Char[3]	N
4	VATApplicability	VAT is applicable for domestic/international flights or both	Char[3]	N

Fuel Tender New Round

Level	Element	Description	Validation	Mandatory
0	FuelTenderNewRound	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y

3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	LocationsRound			
2	LocationRound			
3	LocationHeader			Y
4	LocationCodeIATA	IATA Location code	Char[5]	N
4	LocationCodeICAO	ICAO Location code	Char[5]	Y
4	FlightServiceType	Flight type	Char[3]	Y
4	FuelProduct	Code of fuel product	Char[5]	Y
4	ProductTaxType	Product customs	Char[3]	Y
3	BiddingRound	The round of the tender	Number	Y
3	BiddingPeriod	The bidding period		N
4	From	Start of tender bidding period	Date	Y
4	To	End of tender bidding period	Date	Y
3	BidOpening	Opening date for the specified round	Date	Y

Fuel Tender Response

Level	Element	Description	Validation	Mandatory
0	FuelTenderResponse	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	Response	Message status ACCEPTED, REJECTED, ERROR	Char[100]	Y
1	ErrorDescription	Error Description	Char[4000]	Y

Fuel Tender Acknowledge

Level	Element	Description	Validation	Mandatory
0	FuelTenderAcknowledge	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
2	MsgId	Reference id for the acknowledgment message	Number	Y

2	Documents	Attached documents		N
3	DocumentURI	URI for the attached document	Char	N
2	BidIdentification			Y
3	BidderCode	IATA bidder code	Char[3]	Y
3	BiddingRound	The round of negotiations	Number	Y
3	BidVersion	The version of the bid	Char[1]	Y
3	LocationHeader			Y
4	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
4	LocationCodeICAO	ICAO code of airports	Char[5]	Y
4	FlightServiceType	Flight type	Char[3]	Y
4	FuelProduct	Code of fuel product	Char[5]	Y
4	ProductTaxType	Product customs	Char[3]	Y
3	PackageIdentifier	Identification of the package		N
4	PackageCode	Package unique code	Char[20]	N
4	PackageDescription	Package business description	Char[100]	N
3	Documents	Attached documents list		N
4	DocumentURI	URI of the document	Char	Y
2	BidderCode	The IATA code of the bidder	Char[5]	N
2	MessageType	Type of the message	Char	Y
2	MessageStatus	Status	Char	Y
2	MessageStatusDescription	Status description	Char[4000]	Y
2	RefMsgId	The referred message MsgId	Number	Y

Fuel Tender No Bid

Level	Element	Description	Validation	Mandatory
0	FuelTenderNoBid	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
2	MsgId	Reference id for the acknowledgment message	Number	Y
2	Documents	Attached documents		N
3	DocumentURI	URI for the attached document	Char	N

3	BidderCode	The IATA code of the bidder	Char[5]	N
4	LocationsNoBid	List of locations		Y
5	LocationNoBid			Y
6	LocationHeader			Y
7	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
7	LocationCodeICAO	ICAO code of airports	Char[5]	Y
7	FlightServiceType	Flight type	Char[3]	Y
7	FuelProduct	Code of fuel product	Char[5]	Y
7	ProductTaxType	Product customs	Char[3]	Y
6	Comments	Business comments	Char[4000]	N

Fuel Tender Cancel Bid

Level	Element	Description	Validation	Mandatory
0	FuelTenderResponse	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
2	MsgId	Reference id for the acknowledgment message	Number	Y
2	Documents	Attached documents		N
3	DocumentURI	URI for the attached document	Char	N
1	CancelledBids	Cancelled bids		
2	CancelledBid			
3	BidIdentification			Y
4	BidderCode	IATA bidder code	Char[3]	Y
4	BidRevision	The revision of the bid	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y
4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
5	FlightServiceType	Flight type	Char[3]	Y
5	FuelProduct	Code of fuel product	Char[5]	Y
5	ProductTaxType	Product customs	Char[3]	Y

5	PackageIdentifier	Identification of the package		N
5	PackageCode	Package unique code	Char[20]	N
5	PackageDescription	Package business description	Char[100]	N
4	Documents	Attached documents list		N
5	DocumentURI	URI of the document	Char	Y
3	Comments	Business Comments	Char[4000]	N

Fuel Tender Decline Award

Level	Element	Description	Validation	Mandatory
0	FuelTenderDeclineAward	Root		Y
1	SchemaVersion	The version of the Tender Standard used for communication	**Char[5]**	Y
1	TenderIdentification	Identification of the tender		Y
2	TenderCode	Identifying code of tender, unique in combination with TenderHolderCode	Char[20]	Y
2	TenderName	Name of tender	Char[100]	N
2	TenderHolderCode	ICAO code of airline	Char[5]	Y
2	TenderHolderName	Name of tender holder company	Char[100]	N
2	TenderVersion	Version of the tender	Number	Y
3	MsgId	Reference id for the acknowledgment message	Number	Y
3	Documents	Attached documents		N
4	DocumentURI	URI for the attached document	Char	N
1	DeclinedBids			Y
2	DeclinedBid			Y
3	BidIdentification			Y
4	BidderCode	IATA bidder code	Char[3]	Y
4	BidRevision	The bid revision	Number	Y
4	BidVersion	The version of the bid	Char[1]	Y
4	LocationHeader			Y
5	LocationCodeIATA	IATA code of airports + IATA code of OffAirportLocation	Char[3]	N
5	LocationCodeICAO	ICAO code of airports	Char[5]	Y
5	FlightServiceType	Flight type	Char[3]	Y
5	FuelProduct	Code of fuel product	Char[5]	Y
5	ProductTaxType	Product customs	Char[3]	Y
4	PackageIdentifier	Identification of the package		N

5	PackageCode	Package unique code	Char[20]	N
5	PackageDescription	Package business description	Char[100]	N
4	Documents	Attached documents list		N
5	DocumentURI	URI of the document	Char	Y
3	Comments	Business comments	Char[4000]	N