

FAIR@Link **FRANKFURT**

Documentation on XML Interface 7.3 – Message FL_MSG_ACK

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Change History

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2.9	First PDF documentation of Interface 2.9	Blanken / Feb. 2015		
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2.17	- Identification numbers from the regulated representative and known consignors(RAKC numbers) are now following the new format (without expiration date)	Lahann/ Feb. 2016		
2.18	- Due to technical reasons the XML scheme for IATA 3 letter codes now also allows the use of numbers	Blanken/March 2016		
6.0	- Version number of XML interface adjusted to version number of the F@L release (merely formal adjustment, version number 2.0 within the FL_Message_Header remains the same for reasons of downward compatibility)	Blanken/May2016		
6.2	Updated Version Number Only	Niese/June 2016		
6.4	Updated Version Number Only	Blanken/Aug 2016		
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Software used

ID	Software
W1	This document has been created using Gefeg.FX
W2	Introductory chapters have been written using MS Word 2010

Validity

This document is valid as of 2017-06-26

Liability

Any inaccuracies within this document do not imply any liability of DAKOSY.

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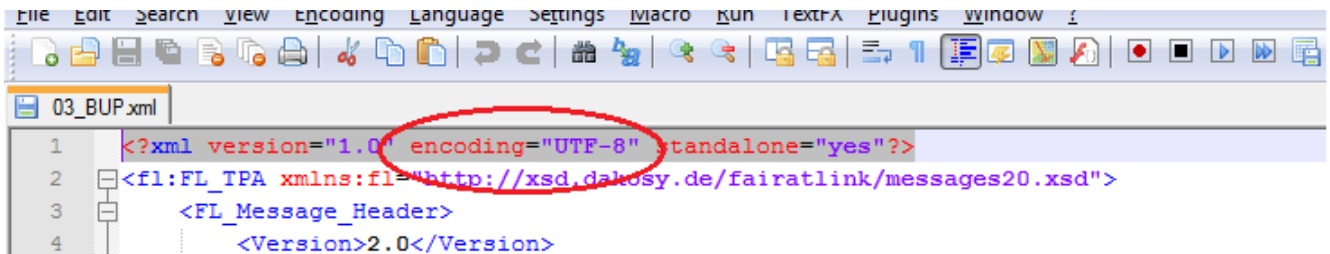
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1 General Remarks about the Fair@Link XML Interface

The Fair@Link XML Interface enables participants to send/receive all the consignment and status information that is exchanged within the system. All of the data submitted using the XML interface is available via the Fair@Link web application as well.

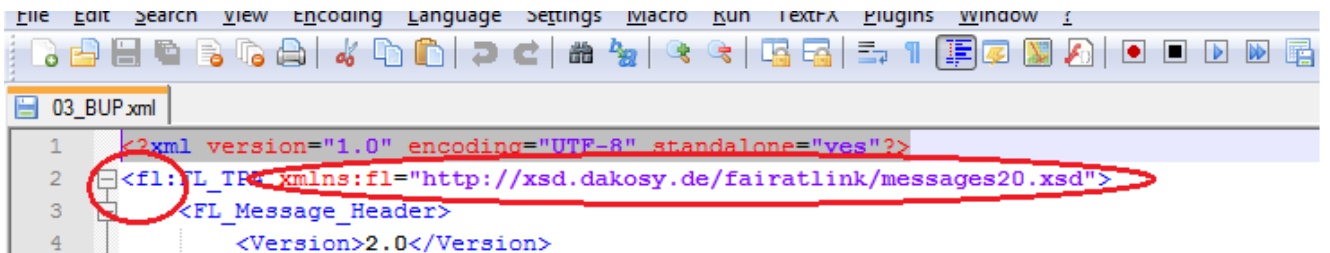
1.1 Encoding and Namespaces

XML files sent to Fair@Link must be encoded using either UTF-8 or ISO-8859-15. The encoding used for the transmission should be indicated within the „<?xml“ processing instruction:



The screenshot shows a text editor window titled '03_BUP.xml'. The first line of the XML document is highlighted in blue and circled in red: `<?xml version="1.0" encoding="UTF-8" standalone="yes"?>`. The following lines are: `<fl:FL_TPA xmlns:fl="http://xsd.dakosy.de/fairatlink/messages20.xsd">`, `<FL_Message_Header>`, and `<Version>2.0</Version>`.

XML elements and data types for Fair@Link are defined with namespace ,http://xsd.dakosy.de/fairatlink/messages20.xsd'. For technical reasons it is necessary to have the root element of a message prefixed with ,fl:‘, which must be defined as a prefix for the Fair@Link namespace:



The screenshot shows a text editor window titled '03_BUP.xml'. The first line is the same as in the previous screenshot. The second line is circled in red: `<fl:FL_TPA xmlns:fl="http://xsd.dakosy.de/fairatlink/messages20.xsd">`. The following lines are: `<FL_Message_Header>` and `<Version>2.0</Version>`.

1.2 Responses (Technical Receipt)

As long as the participant hasn't opted out of this, Fair@Link will return an „FL_MSG_ACK“ for every inbound message. The FL_MSG_ACK contains information whether the participant's file could be processed and/or which errors occurred.

DAKOSY recommends that Fair@Link participants set up the same process on their side, i.e. to „reply“ to every message inbound from Fair@Link using an FL_MSG_ACK. Thus, any communications and/or processing issues can be recognized earlier.

2 Description of the XML Interface

Element/Attribute	Annotation
FL_MSG_ACK	<p>Type fl:FL_MSG_ACK</p> <p>Description This is a technical acknowledgement message used to inform the sending party of an XML message about (un) successful receipt and processing of the message.</p>
FL_Message_Header	<p>Occurrence 1 .. 1</p> <p>Type fl:FL_Message_Header</p> <p>Description The FL_Message_Header is used in all Fair@Link XML messages to transmit basic technical information needed to route the message</p>
Version	<p>Occurrence 1 .. 1</p> <p>Type fl:msg_version</p> <p>Default 2.0</p> <p>Length 1 .. 7</p> <p>Pattern [0-9]+\.[0-9]+</p> <p>Description Version number. Mandatory, must always contain the value '2.0' for backwards compatibility.</p>
FL_MSG_ID	<p>Occurrence 1 .. 1</p> <p>Type fl:ID35</p> <p>Length 0 .. 35</p> <p>Pattern [a-zA-Z0-9_/-]*</p> <p>WhiteSpace collapse</p> <p>Description Type for Identifiers with a maximum length of 35 characters like UUIDs etc.</p>
FL_Sender_ID	<p>Occurrence 1 .. 1</p> <p>Type fl:ID07</p> <p>Length 0 .. 7</p> <p>Pattern [a-zA-Z0-9_/-]*</p> <p>WhiteSpace collapse</p> <p>Description Type for 7-Byte Identifiers as used in Participant-ID or SITA Codes</p>
FL_Recipient_ID	<p>Occurrence 1 .. 1</p> <p>Type fl:ID07</p> <p>Length 0 .. 7</p> <p>Pattern [a-zA-Z0-9_/-]*</p> <p>WhiteSpace collapse</p> <p>Description Type for 7-Byte Identifiers as used in Participant-ID or SITA Codes</p>
CreationTime	<p>Occurrence 1 .. 1</p> <p>Type xs:dateTime</p>
Testindicator	<p>Occurrence 1 .. 1</p> <p>Type xs:boolean</p> <p>Default false</p>
SentInternal	<p>Occurrence 0 .. 1</p> <p>Type fl:string_35</p> <p>Default false</p> <p>Length .. 35</p> <p>WhiteSpace collapse</p> <p>Description Reserved for internal usage</p>
MSG_Response	<p>Occurrence 0 .. 1</p> <p>Type fl:MSG_Response</p>
ResponseType	<p>Occurrence 1 .. 1</p> <p>Type fl:string_12</p> <p>Length .. 12</p> <p>WhiteSpace collapse</p> <p>Description Response Type (see code list)</p>

Element/Attribute	Annotation
Orig_MSG_ID	<p>Occurence 1 .. 1</p> <p>Type fl:ID35</p> <p>Length 0 .. 35</p> <p>Pattern [a-zA-Z0-9_/=]*</p> <p>WhiteSpace collapse</p> <p>Description FL_MSG_ID of the original message to which this MSG_RESPONSE refers</p>
Annotation	<p>Occurence 0 .. unbounded</p> <p>Type fl:Annotation</p> <p>Description Additional information such as error codes</p>
Text	<p>Occurence 1 .. 1</p> <p>Type fl:string_350</p> <p>Length .. 350</p> <p>WhiteSpace collapse</p> <p>Description Textual information or error description</p>
ID	<p>Occurence 1 .. 1</p> <p>Type fl:ID35</p> <p>Length 0 .. 35</p> <p>Pattern [a-zA-Z0-9_/=]*</p> <p>WhiteSpace collapse</p> <p>Description Error Code ("000" = No Errors)</p>

3 Appendix – Code Lists

This appendix describes the codes used within the Fair@Link interfaces. It contains only those codes defined specifically for Fair@Link. Whenever codes from other standards are used (e.g. Cargo-IMP) please refer to the documentation of these standards for valid codes.

3.1 Equipment ID

Code	Meaning
CRANE	Vehicle is equipped with a loading crane
LIFT	Vehicle is equipped with a lift
ROLLER	Vehicle is equipped with a „roller bed“

3.2 Handling Instruction Codes

Code	Meaning
ALLOWED	Tool usage on truck allowed
BUPFAST	„Fast Lane“ BUP
CRANE	Loading crane requested
CREW	Additional loading personnel requested
CUSTSEAL	Customs Seal
DECONSOL	Deconsol order
FORKLIFT	Forklift requested
MEASURE	Determine dimensions and volume of cargo
NEUTRAL	Neutralize cargo
PALETTE	Builup on non-flight palette (e.g. Euro-Palette)
PHOTO	Take a photo of the cargo
ROLLER	Truck needs to be equipped with „roller bed“
SHRINK	Shrink-Wrap consignment
SIDELOAD	Consignment/Cargo needs to be side loaded
STORAGE	Request for storage of goods
WEIGH	Determine weight of consignment

3.3 Measurements (Weight)

Code	Meaning
KG	Kilograms

3.4 Measurements (Dimension)

Code	Meaning
CM	Centimetres
FT	Feet
IN	Inches
MT	Metres

3.5 Measurements (Volume)

Code	Meaning
CC	Cubic Centimetres
CF	Cubic Feet
CI	Cubic Inches
MC	Cubic Metres

3.6 Packing Code

Code	Meaning
BULK	Bulk Cargo
ULD	Cargo on palletes/ULD

3.7 Security Status

Code	Meaning
NSEC	Not Secure
SCO	Secure for cargo aircraft only
SPX	Secure for all aircraft
SHR	Secure high risk

3.8 Security Status Reason

Code	Meaning
NSEC	Not Secure
SAAM	Secure as per attached manifest
SRAC	Secure by account consignor
SRGT	Secure by goods and transfer
SRKC	Secure by known consignor
SRMC	Secure by manual checks (e.g. hand search)
SRTX	Secure by goods and transit
SRXR	Secure by x-ray

3.9 TPA Type

Code	Meaning
AVIS	The TPA is an „AVIS“, i.e. it contains the consignment data, but driver and truck data cannot be provided yet.
BDOWN	The TPA represents a „Break Down“ manifest (note that the „SPORD“ serves this purpose as well)
BUP	The TPA represents a „BuildUp“ (BUP) manifest
DRAFT	(internal use only)
FHL	(internal use only)
FIRM	The TPA is complete, i.e. it contains all the data needed and a reply (Confirmation / Rejection) from the recipient is expected.
FWB	(internal use only)
PREP	The TPA is a „Forecast“ – it describes upcoming transports
SPORD	„Special Order“ – The TPA contains a number of Handling Instructions for an AWB/HAWB (e.g. DECONSOL, SHRINKWRAP... - s. „Handling Instruction Codes“)

3.10 Reference Type

Code	Meaning
Consignee	Consignee's reference
Consignor	Consignor's reference

Consolidator	Consolidator's reference
Forwarder	Forwarder's reference
Haulier	Trucker's reference
MAWB	MAWB Number

3.11 Trailer Type

Code	Meaning
TRAILER	
SEMITRAILER	

3.12 Truck Type

Code	Meaning
TRUCK	Truck
TRACTOR	Tractor
CAR	Car
VAN	Transporter („Sprinter“)

3.13 Customs Procedures

Code	Meaning
AES	Automated Export System
C	Community Goods
ECS	Export Control System
ICS	Import Control System
NCTS	New Computerized Transit System
SumA	Summary Declaration

3.14 Statuscodes

General remark concerning status codes: Whether or not certain status codes are available depends on the systems of the parties involved (e.g. customs, airline, agents etc.)

3.14.1 Statuscodes – Customs/Export

When sending a “Customs/Export” status code, the field “StatusQualifier” within the XML message must contain the value **AES**.

Code	Meaning	Description	Sender
CER	Customs Error		Customs System
STA	Release		Customs System
CTL	Control		Customs System
STP	Stop	Export interdicted by customs	Customs System
GIN	Gate-In	Gate-In (trigger presentation to customs)	Customer
CST	Customs Status		Customs System

3.14.2 Statuscodes Customs/Import

Code	Meaning	Description	Sender
CER	Customs Error		Customs System
SFC	Summary Declaration Finished – Complete		Customs System
SFI	Summary Declaration Finished		Customs System

3.14.3 Statuscodes – Change Holder

When sending a “Change Holder” status code, the field “StatusQualifier” within the XML message must contain the value **CHTS**.

Code	Meaning	Description	Sender
CDO	CHTS Done	Change of holder of temporary storage executed successfully	Customs System
CIN	CHTS Init	Execute change of holder of temporary storage	Customer
CRD	CHTS Repositioning Done	Repositioning of goods completed	Customs System
CRW	CHTS Repositioning Warn	Warning: Time frame for repositioning of goods is about to expire	Fair@Link
CER	Customs Error		Customs System

3.14.4 Statuscodes – Change Of Owner Of Right Of Disposal

When sending a status code for change of owner of right of disposal, the field “StatusQualifier” within the XML message must contain the value **CORD**.

Code	Meaning	Description	Sender
VDO	CORD Done	Change of owner of right of disposal temporary storage executed successfully	Customs System
VIN	CORD Init	Execute CORD	Customer
CER	Customs Error		Customs System

3.14.5 Statuscodes – ATB Split (sent on consignment level)

When sending a “Change Holder” status code, the field “StatusQualifier” within the XML message must contain the value **SPLIT**.

Code	Meaning	Description	Sender
SDO	Split-Up Done	ATB Split Up completed successfully	Customs System
SIN	Split-Up Init	Execute Split Up	Customer
CER	Customs Error		Customs System

3.14.6 Statuscodes – Special Orders

Code	Meaning	Description	Sender
HIS	Handling Instr. Start	Start of executing a specific „Special Order“	Recipient of SPORD TPA
HIE	Handling Instr. End	A specific „Special Order“ has been completed	Recipient of SPORD TPA

3.14.7 Statuscodes – Tour

Code	Meaning	Description	Sender
GIN	Gate-In		Haulier or Fair@Link
DLY	Delay		Issuer or Haulier oft he TPA

3.14.8 Statuscodes – TPA

Code	Meaning	Description	Sender
ONW	On Way		Issuer or Haulier oft he TPA
DLY	Delay		Issuer or Haulier oft he TPA
SOH	Start Of Handling		TPA Recipient
SOL	Start Of Loading		TPA Recipient
EOH	End Of Handling		TPA Recipient
EOL	End Of Loading		TPA Recipient

3.14.9 Statuscodes - Consignment

Code	Meaning	Description	Sender
DVT	Deviation	Damaged – Goods indicated by AWB or HAWB number arrived at the agent in a damaged condition. Details might be specified in „Remarks“. It is possible to attach a picture of the damage.	Haulier or Recipient of the TPA
STC	Storage Complete	Storage Complete – All goods belonging to the indicated AWB or HAWB number have been received by the agent.	Haulier or Recipient of the TPA
STO	Storage	Storage – The first piece belonging to the indicated AWB or HAWB number has been received by the agent.	Haulier or Recipient of the TPA
SEC	Secured	This message confirms the secured status of the good. Furthermore the security reason is provided. In case of an x-ray scan, an x-ray report can be attached.	Haulier or Recipient of the TPA
BUP	BuildUp Packed	All HAWBs have been physically consolidated A picture of the pallet/ ULD can be attached.	Haulier or Recipient of the TPA

3.15 Status Qualifier

The Status Qualifier is used to specify the process to which certain messages apply. This is especially important for customs status messages since certain status codes (such as “CER”) can be sent for different customs processes.

Code	Meaning
CHTS	Change Of Holder Of Temporary Storage („Change Holder“)
CORD	Change Of Owner Of Right Of Disposal
SPLIT	ATB Split Up
AES	AES Process

3.16 Shipment Type

This property of the Consignment object describes the type of shipment.

Code	Meaning	Description
CONSOL	Consol Shipment	
DIRECT	IATA Direct Shipment	Shipment without any House AWB
CUSTOMER-CONSOL	Customer Consol	Some forwarders use this special value to describe a consol shipment where all of it’s House AWB are destined for thr same customer
B2B	Back-To-Back Shipment	One Master AWB containing exactly one House AWB

3.17 RefCodeType (Type of customs reference)

These codes are used within the field RefCodeType within a „CustomsReferences“ element in order to specify the type of reference provided.

The usage of different reference types is needed when splitting up an import shipment, which can be done based on either the ATB or the AWB number.

Code	Bedeutung
REG	Es handelt sich um eine „ATLAS Registriernummer“, z.B. ATB oder MRN Nummer
AWB	Es handelt sich um eine AWB Nummer