



- ICS 2 Interface (XML) -

Arrival Notification

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DAKOSY
Datenkommunikationssystem AG

Mattentwiete 2
20457 Hamburg
www.dakosy.de

Phone: + 49 40 37003 0
info@dakosy.de

Change history

Version	Chapter/ Section	Reason	Name	Date
1.0.0	All	Release version	Malzahn	07.02.2023
1.0.1	Structure	No XSD change but element NotifyParty was not displayed in this XML guide in the previous version. Now, the XML guide is in sync with the XSD.	Kunze	25.09.2024

Change requests

DAKOSY

Datenkommunikationssystem AG

Mattentwiete 2

20457 Hamburg

1. Phone: + 49 40 37003 - 0

2. Email: info@dakosy.de

Used tools

Number	Used tools
W1	This document has been created using <i>Microsoft Word 2016</i> .

Liability

1. Please note that no liability claims can be derived towards DAKOSY AG for the content of this manual, despite careful development and examination of this document!

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1 Data within the Arrival Notification

This document describes one of the messages used with ZODIAK ICS2 to send the Arrival Notification to customs. This message has to be sent to upon arrival of an inbound vessel at the first customs office at entry. The Arrival notification is not intended to be amended or invalidated.

1.13 ways to declare an Arrival Notification

There are three options for listing of the ENS's in an Arrival notification. They are mutually exclusive and are used from the content of the provided Arrival notification in the below priority:

- The MRN of the ENS (the MRN of the ENS filing containing the master level transport information) and, if Mode of transport is "Air", the conveyance reference number.
- The Master transport document reference, the estimated date and time of arrival and, if Mode of transport is "Air", the conveyance reference number.
- The Active border transport means identity and the estimated date and time of arrival. Based on these identifiers, it could be identified to which ENS's the Arrival notification refers

1.2 Local Reference Number and MRN

- **Local Reference Number:** The Local Reference Number is a reference assigned by the declarant, which should allow the declarant to link a declaration to data in his, own IT system. The Local Reference of the Arrival Notice is different from the ones of the Entry Summary Declarations. The LRN has to be unique per customer, i.e. it cannot be used twice.
- **Arrival Notification MRN:** The EU customs system does indeed assign a new MRN to the arrival notification (i.e. a specific MRN which is different from the MRNs assigned to the ENS declarations affected by the Arrival Notice). However, this MRN currently does not have to be re-sent with any further messages.

2 Message Structure

Structure

Occurrence	Element/Attribute
	ICS2Message
1 .. 1	xs:sequence
0 .. 1	Transaction
1 .. 1	xs:sequence
1 .. 1	IOPartner
0 .. 1	IODivision1
0 .. 1	IODivision2
0 .. 1	IODivision3
0 .. 1	OrgUnit
1 .. 1	IOReference
1 .. 1	IODateTime
1 .. 1	Version
0 .. 1	Messages
1 .. 1	xs:sequence
1 .. 1	xs:choice
0 .. 1	ArrivalNotification
1 .. 1	xs:sequence
1 .. 1	LRN
1 .. 1	Date
1 .. 1	xs:sequence
1 .. 1	Date
1 .. 1	DateType
0 .. 9	NotifyParty
1 .. 1	xs:sequence
0 .. 1	IdentificationNumber
1 .. 9	Communication
1 .. 1	xs:sequence
1 .. 1	Identifier
1 .. 1	Type
1 .. 1	ActiveBorderTransportMeans
1 .. 1	xs:sequence
0 .. 1	IdentificationNumber
0 .. 1	TypeOfIdentification
1 .. 1	ModeOfTransport
1 .. 1	ActualDateAndTimeOfArrival
0 .. 1	EstimatedDateAndTimeOfArrival
0 .. 1	ConveyanceReferenceNumber
0 .. 9999	TransportDocument
1 .. 1	xs:sequence
1 .. 1	ReferenceNumber
1 .. 1	Type
0 .. 9999	MRN
0 .. 1	PersonNotifyingTheArrival
1 .. 1	xs:sequence
0 .. 1	IdentificationNumber
1 .. 9	Communication
1 .. 1	xs:sequence
1 .. 1	Identifier
1 .. 1	Type
1 .. 1	ActualCustomsOfficeOfFirstEntry

Bold = Simple Element, Bold on grey background = Complex Element, Italic = Attribute, Grey = Group

Guideline

Element/Attribute	Annotation
ICS2Message	Type ICS2MessageType
xs:sequence	Occurrence 1 .. 1
Transaction	Occurrence 0 .. 1 Type TransactionICSType
xs:sequence	Occurrence 1 .. 1
IOPartner	Occurrence 1 .. 1 Type an..10 Length .. 10 Description DAKOSY Participant Code of the sending party
IODivision1	Occurrence 0 .. 1 Type an..10 Length .. 10 Description Additional Code used for DAKOSY-internal purposes
IODivision2	Occurrence 0 .. 1 Type an..10 Length .. 10 Description Additional Code used for DAKOSY-internal purposes
IODivision3	Occurrence 0 .. 1 Type an..10 Length .. 10 Description Additional Code used for DAKOSY-internal purposes
OrgUnit	Occurrence 0 .. 1 Type an..256 Length .. 256
IOReference	Occurrence 1 .. 1 Type an..35 Length .. 35 Description A unique reference number identifying this XML interchange.
IODateTime	Occurrence 1 .. 1 Type xs:dateTime Description Date and time of interchange creation
Version	Occurrence 1 .. 1 Type an..3 Length .. 3 Description Interface specification Version
Messages	Occurrence 0 .. 1
xs:sequence	Occurrence 1 .. 1
xs:choice	Occurrence 1 .. 1
ArrivalNotification	Occurrence 0 .. 1 Type ArrivalNotificationType
xs:sequence	Occurrence 1 .. 1
LRN	Occurrence 1 .. 1 Type an..22 Length .. 22 Remark This attribute has to be unique as per Declarant (DECLARANT/Identification number).
Date	Occurrence 1 .. 1 Type DateType Description Document issuing date
xs:sequence	Occurrence 1 .. 1
Date	Occurrence 1 .. 1 Type xs:dateTime
DateType	Occurrence 1 .. 1 Type DateTypeType
Applicable Codes	
Completion	

Bold = Element, Italic = Attribute, Grey = Group

ArrivalNotification

Element/Attribute	Annotation
	Applicable Codes DocumentIssue Notification Registration ScheduledControl
NotifyParty	Occurrence 0 .. 9 Type PartyType
xs:sequence	Occurrence 1 .. 1
IdentificationNumber	Occurrence 0 .. 1 Type an..17 Length .. 17 Remark EORI number shall be declared. Description Agent, coded
Communication	Occurrence 1 .. 9 Type CommunicationType
xs:sequence	Occurrence 1 .. 1
Identifier	Occurrence 1 .. 1 Type an..512 Length .. 512 Remark When 'COMMUNICATION/Type' is 'TE' the 'COMMUNICATION/Identifier' has to have an international phone number format as defined in the ITU-T recommendation E.123 (02/2001). The format must be compliant with the pattern "\+{0-9} ?{6,14}[0-9]\$".
Type	Description Communication number Occurrence 1 .. 1 Type CommunicationTypeType Length 1 .. 8 Description Communication number type
	Applicable Codes EM Electronic mail TE Telephone
ActiveBorderTransportMeans	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
IdentificationNumber	Occurrence 0 .. 1 Type an..35 Length .. 35 Description Identification of means of transport crossing the border, coded Remark IF 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is set to '1' or '8', THEN this data attribute is M, ELSE it is not used.
TypeOfIdentification	Occurrence 0 .. 1 Type TypeOfIdentificationType Length 1 .. 8 Remark IF 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is set to '1' or '8', THEN this data attribute is M, ELSE it is not used. Remark When 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is '1' the value of this attribute must be '10'. Remark When 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is '8' the value of this attribute must be '80'. Description Type of identification of means of transport crossing the border, coded
	Applicable Codes 10 IMO Ship Identification Number 20 Wagon Number 21 Train Number 30 Registration Number of the Road Vehicle

Bold = Element, Italic = Attribute, Grey = Group

ArrivalNotification

Element/Attribute	Annotation
	Applicable Codes
	31 Registration Number of the Road Trailer
	41 Registration Number of the Aircraft
	80 European Vessel Identification Number (ENI Code)
ModeOfTransport	Occurrence 1 .. 1 Type ModeOfTransportType Description Mode of transport crossing the border, coded
	Applicable Codes
	1 Maritime Transport
	2 Rail Transport
	3 Road Transport
	4 Air Transport
	5 Mail (Active Mode of Transport Unknown)
	7 Fixed Transport Installation
	8 Inland Waterway Transport
	9 Mode Unknown (i.e. Own Propulsion)
ActualDateAndTimeOfArrival	Occurrence 1 .. 1 Type xs:dateTime
EstimatedDateAndTimeOfArrival	Occurrence 0 .. 1 Type xs:dateTime Remark At least one of the following shall be provided: 'ACTIVE BORDER TRANSPORT MEANS/Estimated date and time of arrival' or 'MRN'.
ConveyanceReferenceNumber	Occurrence 0 .. 1 Type an..17 Length .. 17 Remark IF 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is set to '4', THEN this data attribute is M, ELSE it is not used
TransportDocument	Occurrence 0 .. 9999 Remark If the 'TRANSPORT DOCUMENT' is used, then the 'MRN' cannot be used.
xs:sequence	Occurrence 1 .. 1
ReferenceNumber	Occurrence 1 .. 1 Type an..70 Length .. 70 Description Transport document number
Type	Occurrence 1 .. 1 Type TransportDocumentTypeType Length 1 .. 8 Description Transport document type, coded
	Applicable Codes
	C624 Form 302
	C625 Rhine Manifest
	C664 CN22 declaration according to Article 237 of the Regulation (ECC) No 2454/93
	C665 CN23 declaration according to Article 237 of the Regulation (ECC) No 2454/93
	N703 House waybill
	N704 Master bill of lading
	N705 Bill of lading
	N714 House bill of lading
	N720 Consignment note CIM
	N722 Road list - SMGS
	N730 Road consignment note
	N740 Air waybill
	N741 Master airwaybill
	N750 Movement by post including parcel post
	N760 Multimodal / combined transport document

Bold = Element, Italic = Attribute, Grey = Group

ArrivalNotification

Element/Attribute	Annotation
MRN	<p>Occurrence 0 .. 9999</p> <p>Type an..18</p> <p>Length .. 18</p> <p>Description Previous document number</p> <p>Remark If the 'RELATED TRANSPORT DOCUMENT' is used, then the 'RELATED MRN' cannot be used.</p> <p>Remark At least one of the following shall be provided: 'ACTIVE BORDER TRANSPORT MEANS/Estimated date and time of arrival' or 'MRN'.</p>
PersonNotifyingTheArrival	<p>Occurrence 0 .. 1</p> <p>Type PartyType</p> <p>Remark If the Arrival notification is provided via a National Arrival System (not via the STI), then the 'PERSON NOTIFYING THE ARRIVAL' is O, else it is M.</p>
<i>xs:sequence</i>	Occurrence 1 .. 1
IdentificationNumber	<p>Occurrence 0 .. 1</p> <p>Type an..17</p> <p>Length .. 17</p> <p>Remark EORI number shall be declared.</p> <p>Description Submitter, coded</p>
Communication	<p>Occurrence 1 .. 9</p> <p>Type CommunicationType</p>
<i>xs:sequence</i>	Occurrence 1 .. 1
Identifier	<p>Occurrence 1 .. 1</p> <p>Type an..512</p> <p>Length .. 512</p> <p>Remark When 'COMMUNICATION/Type' is 'TE' the 'COMMUNICATION/Identifier' has to have an international phone number format as defined in the ITU-T recommendation E.123 (02/2001). The format must be compliant with the pattern "<i>^\+([0-9] ?){6,14}[0-9]\$" .</i></p>
Type	<p>Description Communication number</p> <p>Occurrence 1 .. 1</p> <p>Type CommunicationTypeType</p> <p>Length 1 .. 8</p> <p>Description Communication number type</p>
Applicable Codes	
EM	Electronic mail
TE	Telephone
ActualCustomsOfficeOfFirstEntry	<p>Occurrence 1 .. 1</p> <p>Type an8</p> <p>Length 8 .. 8</p> <p>Description Office of entry, coded</p>

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