



# - ICS 2 Interface (XML) -

## Arrival Notification

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## Change history

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## Change requests

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## 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.

## 1.1 3 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

Occurrence	Element/Attribute
	<b>ICS2Message</b>
1 .. 1	xs:sequence
<b>0 .. 1</b>	<b>Transaction</b>
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
<b>0 .. 1</b>	<b>Messages</b>
1 .. 1	xs:sequence
1 .. 1	xs:choice
<b>0 .. 1</b>	<b>ArrivalNotification</b>
1 .. 1	xs:sequence
1 .. 1	LRN
<b>1 .. 1</b>	<b>Date</b>
1 .. 1	xs:sequence
1 .. 1	Date
1 .. 1	DateType
<b>1 .. 1</b>	<b>ActiveBorderTransportMeans</b>
1 .. 1	xs:sequence
0 .. 1	IdentificationNumber
0 .. 1	TypeOfIdentification
1 .. 1	ModeOfTransport
1 .. 1	ActualDateAndTimeOfArrival
0 .. 1	EstimatedDateAndTimeOfArrival
0 .. 1	ConveyanceReferenceNumber
<b>0 .. 9999</b>	<b>TransportDocument</b>
1 .. 1	xs:sequence
1 .. 1	ReferenceNumber
1 .. 1	Type
0 .. 9999	MRN
<b>0 .. 1</b>	<b>PersonNotifyingTheArrival</b>
1 .. 1	xs:sequence
0 .. 1	IdentificationNumber
<b>1 .. 9</b>	<b>Communication</b>
1 .. 1	xs:sequence
1 .. 1	Identifier
1 .. 1	Type
1 .. 1	ActualCustomsOfficeOfFirstEntry

Element/Attribute	Annotation
<b>ICS2Message</b>	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
<b>Applicable Codes</b>	
<b>Completion</b>	

Element/Attribute	Annotation
	<b>Applicable Codes</b>
	<b>DocumentIssue</b>
	<b>Notification</b>
	<b>Registration</b>
	<b>ScheduledControl</b>
<b>ActiveBorderTransportMeans</b>	<b>Occurrence</b> 1 .. 1
xs:sequence	<b>Occurrence</b> 1 .. 1
<b>IdentificationNumber</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> an..35 <b>Length</b> .. 35 <b>Description</b> Identification of means of transport crossing the border, coded <b>Remark</b> 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.
<b>TypeOfIdentification</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> TypeOfIdentificationType <b>Length</b> 1 .. 8 <b>Remark</b> 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. <b>Remark</b> When 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is '1' the value of this attribute must be '10'. <b>Remark</b> When 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is '8' the value of this attribute must be '80'. <b>Description</b> Type of identification of means of transport crossing the border, coded
	<b>Applicable Codes</b>
	<b>10</b> IMO Ship Identification Number
	<b>20</b> Wagon Number
	<b>21</b> Train Number
	<b>30</b> Registration Number of the Road Vehicle
	<b>31</b> Registration Number of the Road Trailer
	<b>41</b> Registration Number of the Aircraft
	<b>80</b> European Vessel Identification Number (ENI Code)
<b>ModeOfTransport</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> ModeOfTransportType <b>Description</b> Mode of transport crossing the border, coded
	<b>Applicable Codes</b>
	<b>1</b> Maritime Transport
	<b>2</b> Rail Transport
	<b>3</b> Road Transport
	<b>4</b> Air Transport
	<b>5</b> Mail (Active Mode of Transport Unknown)
	<b>7</b> Fixed Transport Installation
	<b>8</b> Inland Waterway Transport
	<b>9</b> Mode Unknown (i.e. Own Propulsion)
<b>ActualDateAndTimeOfArrival</b>	<b>Occurrence</b> 1 .. 1 <b>Type</b> xs:dateTime
<b>EstimatedDateAndTimeOfArrival</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> xs:dateTime <b>Remark</b> At least one of the following shall be provided: 'ACTIVE BORDER TRANSPORT MEANS/Estimated date and time of arrival' or 'MRN'.
<b>ConveyanceReferenceNumber</b>	<b>Occurrence</b> 0 .. 1 <b>Type</b> an..17 <b>Length</b> .. 17 <b>Remark</b> IF 'ACTIVE BORDER TRANSPORT MEANS/Mode of transport' is set to '4', THEN this data attribute is M,



Element/Attribute	Annotation
	ELSE it is not used
TransportDocument	<p><b>Occurrence</b> 0 .. 9999</p> <p><b>Remark</b> If the 'TRANSPORT DOCUMENT' is used, then the 'MRN' cannot be used.</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
ReferenceNumber	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> an..70</p> <p><b>Length</b> .. 70</p> <p><b>Description</b> Transport document number</p>
Type	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> TransportDocumentTypeType</p> <p><b>Length</b> 1 .. 8</p> <p><b>Description</b> Transport document type, coded</p> <p><b>Applicable Codes</b></p> <p><b>C624</b> Form 302</p> <p><b>C625</b> Rhine Manifest</p> <p><b>C664</b> CN22 declaration according to Article 237 of the Regulation (ECC) No 2454/93</p> <p><b>C665</b> CN23 declaration according to Article 237 of the Regulation (ECC) No 2454/93</p> <p><b>N703</b> House waybill</p> <p><b>N704</b> Master bill of lading</p> <p><b>N705</b> Bill of lading</p> <p><b>N714</b> House bill of lading</p> <p><b>N720</b> Consignment note CIM</p> <p><b>N722</b> Road list - SMGS</p> <p><b>N730</b> Road consignment note</p> <p><b>N740</b> Air waybill</p> <p><b>N741</b> Master airwaybill</p> <p><b>N750</b> Movement by post including parcel post</p> <p><b>N760</b> Multimodal / combined transport document</p>
MRN	<p><b>Occurrence</b> 0 .. 9999</p> <p><b>Type</b> an..18</p> <p><b>Length</b> .. 18</p> <p><b>Description</b> Previous document number</p> <p><b>Remark</b> If the 'RELATED TRANSPORT DOCUMENT' is used, then the 'RELATED MRN' cannot be used.</p> <p><b>Remark</b> At least one of the following shall be provided: 'ACTIVE BORDER TRANSPORT MEANS/Estimated date and time of arrival' or 'MRN'.</p>
PersonNotifyingTheArrival	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> PartyType</p> <p><b>Remark</b> 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>
xs:sequence	<b>Occurrence</b> 1 .. 1
IdentificationNumber	<p><b>Occurrence</b> 0 .. 1</p> <p><b>Type</b> an..17</p> <p><b>Length</b> .. 17</p> <p><b>Remark</b> EORI number shall be declared.</p> <p><b>Description</b> Submitter, coded</p>
Communication	<p><b>Occurrence</b> 1 .. 9</p> <p><b>Type</b> CommunicationType</p>
xs:sequence	<b>Occurrence</b> 1 .. 1
Identifier	<p><b>Occurrence</b> 1 .. 1</p> <p><b>Type</b> an..512</p> <p><b>Length</b> .. 512</p> <p><b>Remark</b> 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</p>

Element/Attribute	Annotation
Type	compliant with the pattern " <code>^\+\(?:[0-9] ?\){6,14}[0-9]\$</code> ". <b>Description</b> Communication number <b>Occurrence</b> 1 .. 1 <b>Type</b> CommunicationTypeType <b>Length</b> 1 .. 8 <b>Description</b> Communication number type <b>Applicable Codes</b> <b>EM</b> Electronic mail <b>TE</b> Telephone
ActualCustomsOfficeOfFirstEntry	<b>Occurrence</b> 1 .. 1 <b>Type</b> an8 <b>Length</b> 8 .. 8 <b>Description</b> Office of entry, coded