



- Zodiak ICS Interface (XML) -

Advanced Intervention Notification

Version 1.8.0

(Valid from March 2017)

DAKOSY
Datenkommunikationssystem AG

Mattentwiete 2
20457 Hamburg
www.dakosy.de

Phone: + 49 40 37003 0
Fax: + 49 40 37003 370
info@dakosy.de

Change history

Version	Chapter/ Section	Reason	Name	Date
1.2	All	Initial Document	Blanken	24.08.2010
1.3		VersionNumber in element <Version> is “007”	Blanken	15.10.2010
1.4		Updated Guide Version Number to 1.4	Blanken	25.11.2010
1.5		(not released)		
1.6.0		Updated Guide Version Number to 1.6.0	Blanken	31.03.2011
1.7.0		Addition of Branch No.	Diettrich	15.09.2012
1.8.0		Updated guide version in connection with ATLAS release 8.7	Diettrich	30.01.2017

Change requests

DAKOSY

Datenkommunikationssystem AG

Mattentwiete 2

20457 Hamburg

1. Phone: + 49 40 37003 - 0
2. Fax: + 49 40 37003 - 370
3. Email: info@dakosy.de

Used tools

Number	Used tools
W1	This document has been created using <i>Microsoft Word 2010</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!

Table of contents

1 Introduction.....4

2 Message Structure5

3 Guideline8

1 Introduction

This document describes the XML message AdvancedInterventionNotification. Within the ZODIAK ICS XML interface this message is used to forward advanced intervention notifications (e.g. “No Load” messages) to the customers.

Note: General information about messages used within the ZODIAK ICS XML interface, a basic message flow diagram as well as a description of the metadata elements/types can be found in the “General Information” document for the XML Interface.

2 Message Structure

Occurrence	Element/Attribute
	ICSMMessage
1 .. 1	xs:sequence
1 .. 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
1 .. 1	Messages
1 .. 1	xs:sequence
1 .. 1	xs:choice
0 .. 1	AdvancedInterventionNotification
1 .. 1	xs:sequence
1 .. 1	ObjectIdentification
1 .. 1	xs:sequence
1 .. 1	ObjectName
0 .. 1	ObjectAlias
0 .. 1	TypeOfDeclaration
0 .. 1	OriginalMessageName
0 .. 1	TransactionReference
0 .. 1	EDIFACTMessageNo
1 .. 1	DateOfReceipt
1 .. 1	EventSeverity
1 .. 1	EventLocation
1 .. 1	Header
1 .. 1	xs:sequence
1 .. 1	MRN
0 .. 1	CommercialReferenceNumber
0 .. 1	ConveyanceReferenceNumber
0 .. 1	ETD
1 .. 1	NotificationDateAndTime
1 .. 1	DeclarationRegistrationDateAndTime
1 .. 1	DeclarationSubmittedDateAndTime
0 .. 1	IdentityOfMeansOfTransportAtBorder
1 .. 1	xs:sequence
0 .. 1	NationalityCrossingBorder
0 .. 1	IdentityCrossingBorder
0 .. 1	NameCrossingBorder
1 .. 1	PersonLodgingTheSummaryDeclaration
1 .. 1	xs:sequence
0 .. 1	TIN
0 .. 1	BranchNumber
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name
0 .. 1	Name2
0 .. 1	StreetAndNumber

Occurrence	Element/Attribute
0 .. 1	<ul style="list-style-type: none"> Country Postcode City LanguageCode
0 .. 1	
1 .. 1	
0 .. 1	
0 .. 1	
0 .. 1	xs:sequence
0 .. 1	ContactPerson
1 .. 1	xs:sequence
1 .. 1	Name
0 .. 1	CompanyPosition
1 .. 1	PhoneNumber
0 .. 1	Fax
0 .. 1	EmailAddress
0 .. 1	RIN
0 .. 1	TraderRepresentative
1 .. 1	xs:sequence
0 .. 1	TIN
0 .. 1	BranchNumber
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name
0 .. 1	Name2
0 .. 1	StreetAndNumber
0 .. 1	Country
0 .. 1	Postcode
1 .. 1	City
0 .. 1	LanguageCode
0 .. 1	TraderAtEntryCarrier
1 .. 1	xs:sequence
0 .. 1	TIN
0 .. 1	BranchNumber
0 .. 1	Address
1 .. 1	xs:sequence
0 .. 1	Name
0 .. 1	Name2
0 .. 1	StreetAndNumber
0 .. 1	Country
0 .. 1	Postcode
1 .. 1	City
0 .. 1	LanguageCode
1 .. 1	CustomsOfficeOfFirstEntry
1 .. 1	xs:sequence
1 .. 1	xs:choice
1 .. 1	ReferenceNumber
1 .. 1	LocationCode
0 .. 1	ExpectedDateAndTimeOfArrival
1 .. 1	CustomsInterventions
1 .. 1	xs:sequence
1 .. 999	CustomsIntervention
1 .. 1	xs:sequence
0 .. 1	GoodsItemNumber
1 .. 1	Code
0 .. 1	Text
0 .. 1	GoodsItems

Occurrence	Element/Attribute
1 .. 1	xs:sequence
1 .. 999	GoodsItem
1 .. 1	xs:sequence
1 .. 1	GoodsItemNumber
0 .. 1	CommercialReferenceNumber
0 .. 1	xs:choice
1 .. 1	ContainerNumbers
1 .. 1	xs:sequence
1 .. 99	ContainerNumber
1 .. 1	Containers
1 .. 1	xs:sequence
1 .. 99	Container
1 .. 1	xs:sequence
1 .. 1	ContainerNumber
1 .. 1	NumberOfPackages
0 .. 1	ContainerType
0 .. 1	FullEmptyIndicator
0 .. 1	IdentitiesOfMeansOfTransportAtBorder
1 .. 1	xs:sequence
1 .. 999	IdentityOfMeansOfTransportAtBorder
1 .. 1	xs:sequence
0 .. 1	NationalityCrossingBorder
0 .. 1	IdentityCrossingBorder
0 .. 1	NameCrossingBorder
0 .. 1	ProducedDocumentsCertificates
1 .. 1	xs:sequence
1 .. 99	ProducedDocumentsCertificate
1 .. 1	xs:sequence
1 .. 1	DocumentType
1 .. 1	DocumentReference

3 Guideline

Element/Attribute	Annotation
ICSMMessage	
xs:sequence	Occurrence 1 .. 1
Transaction	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
IOPartner	Occurrence 1 .. 1 Length .. 10
IODivision1	Occurrence 0 .. 1 Length .. 10
IODivision2	Occurrence 0 .. 1 Length .. 10
IODivision3	Occurrence 0 .. 1 Length .. 10
OrgUnit	Occurrence 0 .. 1 Length .. 256
IOReference	Occurrence 1 .. 1 Length .. 35
IODateTime	Occurrence 1 .. 1
Version	Occurrence 1 .. 1 Length .. 3 Pattern 006 007 Remark This field should contain the following value: 007
Messages	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
xs:choice	Occurrence 1 .. 1
AdvancedInterventionNotification	Occurrence 0 .. 1 Description IE351 - E_AIV_NOT
xs:sequence	Occurrence 1 .. 1
ObjectIdentification	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
ObjectName	Occurrence 1 .. 1 Length .. 35 Remark Messages sent from ZODIAK ICS will contain the local reference number in their ObjectName field
ObjectAlias	Occurrence 0 .. 1 Length .. 35 Description 2. Objekt Name Remark Unused in ZODIAK ICS
TypeOfDeclaration	Occurrence 0 .. 1 Default ORIGINAL Length .. 10 Description This field is used to distinguish between original and update messages of the EntrySummaryDeclaration resp. the EntrySummaryDeclarationAck.
OriginalMessageName	Occurrence 0 .. 1 Length .. 10 Description For messages sent from customs, this field contains the TAXUD name of the original message Remark Messages from german customs might contain "E_FEHLER" instead of a "real" TAXUD name
	Applicable Codes
	E_ARI_REJ
	E_ARN_VAL
	E_DIV_ACK
	E_DIV_REJ
	E_ENS_ARJ
	E_ENS_REJ
	E_ENS_STA
	E_EXS_ACK

Element/Attribute	Annotation
	Applicable Codes NLBB15 NLBB16 NLBB24 NLBB51
TransactionReference	Occurrence 0 .. 1 Length .. 35 Description The TransactionReference element refers to the IOReference of the original message which is acknowledged/rejected.
EDIFACTMessageNo	Occurrence 0 .. 1 Length .. 35 Description Unique message reference number assigned by customs Remark This field contains the technical reference of a customs message which is transmitted to the customer via the ZODIAK ICS XML interface
DateOfReceipt	Occurrence 1 .. 1 Description Date and time when the event reported occurred Remark For ZODIAK ICS, this field contains the date and time when the original message (the one being acknowledged of forwarded with this XML message) was received
EventSeverity	Occurrence 1 .. 1 Length .. 10 Description Possible values are: *OKAY *WARNING *ERROR
	Applicable Codes *ERROR *OKAY *WARNING
EventLocation	Occurrence 1 .. 1 Length .. 20 Description This field is used to indicate where in the communications chain an error occurred (at DAKOSY or at customs)
	Applicable Codes *CUSTOMS-C *CUSTOMS-G *CUSTOMS-TE *DAKOSY-CO *DAKOSY-EDI *DAKOSY-ZOD DAKOSY customs
Header	Occurrence 1 .. 1
xs:sequence	Occurrence 1 .. 1
MRN	Occurrence 1 .. 1 Length 18 .. 18 Description MRN associated with the procedure
CommercialReferenceNumber	Occurrence 0 .. 1 Length .. 70 Description Unique identification of consignment e.g. UCR or freight document number.
ConveyanceReferenceNumber	Occurrence 0 .. 1 Length .. 35 Description Identification of conveyance reference number e.g. voyage, flight or trip number
ETD	Occurrence 0 .. 1 Description DAKOSY uses this field internally for certain airfreight related declarations/situations

Element/Attribute	Annotation
NotificationDateAndTime	Occurrence 1 .. 1 Description Date and time of the notification of Customs interventions
DeclarationRegistrationDateAndTime	Occurrence 1 .. 1 Description Date and time of registration of the entry summary declaration
DeclarationSubmittedDateAndTime	Occurrence 1 .. 1 Description Date and time of submission of the entry summary declaration
IdentityOfMeansOfTransportAtBorder	Occurrence 0 .. 1
xs:sequence	Occurrence 1 .. 1
NationalityCrossingBorder	Occurrence 0 .. 1 Pattern [a-zA-Z]{2} Description Country of origin of nationality crossing border (coded)
IdentityCrossingBorder	Occurrence 0 .. 1 Length .. 27 Description Name or indicator of the registration number (means of transport at border) Remark For sea freight, the vessel's IMO or ENI number has to be submitted here. The field must not be used in case of air freight (TransportModeAtBorder = 4)
NameCrossingBorder	Occurrence 0 .. 1 Length .. 35
PersonLodgingTheSummaryDeclaration	Occurrence 1 .. 1 Description Information about the person lodging the entry summary declaration
xs:sequence	Occurrence 1 .. 1
TIN	Occurrence 0 .. 1 Length .. 17 Remark An EORI-TIN consists of a two-digit countrycode (e.g. 'DE') and up to 15 alphanumeric characters, e.g. CZ1234FGH55 Description EORI-TIN
BranchNumber	Occurrence 0 .. 1 Pattern \d{4} Remark The branch number is 4-digit numeric. '0000' must be transmitted, if the participant did not apply for branch number(s). Branch (0000 - 9999).
Address	Occurrence 0 .. 1
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 0 .. 1 Length .. 35
Name2	Occurrence 0 .. 1 Length .. 35 Description Name Continuation Remark This field is used for sending the 2nd part of the company name (if the name is longer than 35 char). It is used by finnish customs only.
StreetAndNumber	Occurrence 0 .. 1 Length .. 35
Country	Occurrence 0 .. 1 Pattern [a-zA-Z]{2}
Postcode	Occurrence 0 .. 1 Length .. 9
City	Occurrence 1 .. 1 Length .. 35
LanguageCode	Occurrence 0 .. 1 Pattern [a-zA-Z]{2} Description This field can be used to provide a two-character language code, describing the language used for address and

Element/Attribute	Annotation
	contact data. Whether this field is used and whether it is mandatory depends on the receiving country of a message.
xs:sequence	Occurrence 0 .. 1
ContactPerson	Occurrence 0 .. 1
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 1 .. 1 Length .. 35 Description Name of contact person (in the company)
CompanyPosition	Occurrence 0 .. 1 Length .. 35 Description Position of the contact person (in the company)
PhoneNumber	Occurrence 1 .. 1 Length .. 35 Description Phone number of the contact person (in the company)
Fax	Occurrence 0 .. 1 Length .. 35 Description Fax of the contact person (in the company)
EmailAddress	Occurrence 0 .. 1 Length .. 256 Description Email address of the contact person (in the company)
RIN	Occurrence 0 .. 1 Length .. 17 Description The 'RIN' will only be used for certain messages to customs in Austria
TraderRepresentative	Occurrence 0 .. 1 Description Information about the trader representative
xs:sequence	Occurrence 1 .. 1
TIN	Occurrence 0 .. 1 Length .. 17 Remark An EORI-TIN consists of a two-digit countrycode (e.g. 'DE') and up to 15 alphanumeric characters, e.g. CZ1234FGH55 Description EORI-TIN
BranchNumber	Occurrence 0 .. 1 Pattern \d{4} Remark The branch number is 4-digit numeric. '0000' must be transmitted, if the participant did not apply for branch number(s). Branch (0000 - 9999).
Address	Occurrence 0 .. 1
xs:sequence	Occurrence 1 .. 1
Name	Occurrence 0 .. 1 Length .. 35
Name2	Occurrence 0 .. 1 Length .. 35 Description Name Continuation Remark This field is used for sending the 2nd part of the company name (if the name is longer than 35 char). It is used by finnish customs only.
StreetAndNumber	Occurrence 0 .. 1 Length .. 35
Country	Occurrence 0 .. 1 Pattern [a-zA-Z]{2}
Postcode	Occurrence 0 .. 1 Length .. 9
City	Occurrence 1 .. 1 Length .. 35
LanguageCode	Occurrence 0 .. 1 Pattern [a-zA-Z]{2}

Element/Attribute	Annotation
	<p>Description This field can be used to provide a two-character language code, describing the language used for address and contact data. Whether this field is used and whether it is mandatory depends on the receiving country of a message.</p>
TraderAtEntryCarrier	<p>Occurence 0 .. 1</p> <p>Description Information about the trader at entry (carrier)</p>
xs:sequence	<p>Occurence 1 .. 1</p>
TIN	<p>Occurence 0 .. 1</p> <p>Length .. 17</p> <p>Remark An EORI-TIN consists of a two-digit countrycode (e.g. 'DE') and up to 15 alphanumeric characters, e.g. CZ1234FGH55</p> <p>Description EORI-TIN</p>
BranchNumber	<p>Occurence 0 .. 1</p> <p>Pattern \d{4}</p> <p>Remark The branch number is 4-digit numeric. '0000' must be transmitted, if the participant did not apply for branch number(s). Branch (0000 - 9999).</p>
Address	<p>Occurence 0 .. 1</p>
xs:sequence	<p>Occurence 1 .. 1</p>
Name	<p>Occurence 0 .. 1</p> <p>Length .. 35</p>
Name2	<p>Occurence 0 .. 1</p> <p>Length .. 35</p> <p>Description Name Continuation</p> <p>Remark This field is used for sending the 2nd part of the company name (if the name is longer than 35 char). It is used by finnish customs only.</p>
StreetAndNumber	<p>Occurence 0 .. 1</p> <p>Length .. 35</p>
Country	<p>Occurence 0 .. 1</p> <p>Pattern [a-zA-Z]{2}</p>
Postcode	<p>Occurence 0 .. 1</p> <p>Length .. 9</p>
City	<p>Occurence 1 .. 1</p> <p>Length .. 35</p>
LanguageCode	<p>Occurence 0 .. 1</p> <p>Pattern [a-zA-Z]{2}</p> <p>Description This field can be used to provide a two-character language code, describing the language used for address and contact data. Whether this field is used and whether it is mandatory depends on the receiving country of a message.</p>
CustomsOfficeOfFirstEntry	<p>Occurence 1 .. 1</p> <p>Description Information about Customs office of first entry whereby the goods enter the community</p>
xs:sequence	<p>Occurence 1 .. 1</p>
xs:choice	<p>Occurence 1 .. 1</p>
ReferenceNumber	<p>Occurence 1 .. 1</p> <p>Length 8 .. 8</p> <p>Pattern [A-Z]{2}[A-Z0-9]{6}</p> <p>Remark This has to be a code from the COL (see http://ec.europa.eu/taxation_customs/dds/csrdhome_en.htm)</p> <p>Description Customs office code of the first customs office at entry</p>
LocationCode	<p>Occurence 1 .. 1</p> <p>Length 5 .. 5</p> <p>Pattern [A-Z]{5}</p> <p>Description UNLocation Code</p>

Element/Attribute	Annotation
	<p>Description Instead of a customs office reference number one might send an UNLoCode here. DAKOSY will then map the code to the appropriate number. Please contact DAKOSY if you wish to use this mapping functionality.</p> <p>Note: DAKOSY supports only a 1:1 mapping LoCode->CustomsOffice. However, for a number of ports within the EU there are several customs office codes. Therefore, a customer should always consider that the possibility to send customs office codes might be needed even if a UNLoCode is sent usually.</p>
ExpectedDateAndTimeOfArrival	<p>Occurence 0 .. 1</p> <p>Description Expected date and time of arrival at Customs office of first entry</p>
CustomsInterventions	<p>Occurence 1 .. 1</p>
xs:sequence	<p>Occurence 1 .. 1</p>
CustomsIntervention	<p>Occurence 1 .. 999</p> <p>Description Information about Customs intervention</p>
xs:sequence	<p>Occurence 1 .. 1</p>
GoodsItemNumber	<p>Occurence 0 .. 1</p> <p>FractionDigits 0</p> <p>TotalDigits 5</p> <p>Description Item number of related item in the entry summary declaration</p>
Code	<p>Occurence 1 .. 1</p> <p>Length .. 4</p> <p>Description Coding for Customs intervention</p> <p>Applicable Codes</p> <p>A001 Do Not Load</p> <p>D001 Document Inspection</p> <p>P001 Inspection of physical goods</p> <p>S001 Seals Inspection</p>
Text	<p>Occurence 0 .. 1</p> <p>Length .. 350</p> <p>Description Description of Customs intervention (text)</p>
GoodsItems	<p>Occurence 0 .. 1</p> <p>Description Information about items of the Entry Summary Declaration affected by Customs intervention</p>
xs:sequence	<p>Occurence 1 .. 1</p>
GoodsItem	<p>Occurence 1 .. 999</p>
xs:sequence	<p>Occurence 1 .. 1</p>
GoodsItemNumber	<p>Occurence 1 .. 1</p> <p>FractionDigits 0</p> <p>TotalDigits 5</p> <p>Description Unique number of an item of the entry summary declaration</p>
CommercialReferenceNumber	<p>Occurence 0 .. 1</p> <p>Length .. 70</p> <p>Description Unique identification of this goods item e.g. UCR or freight document number</p>
xs:choice	<p>Occurence 0 .. 1</p>
ContainerNumbers	<p>Occurence 1 .. 1</p> <p>Description Information about the containers of this item</p> <p>Remark NOTE: Dutch customs allow to specify some additional information per container. In order to be able to submit these, element Containers should be used instead of element ContainerNumbers.</p>
xs:sequence	<p>Occurence 1 .. 1</p>
ContainerNumber	<p>Occurence 1 .. 99</p> <p>Length .. 17</p>

Element/Attribute	Annotation
Containers	<p>Description Container number allocated to an item</p> <p>Occurence 1 .. 1</p> <p>Description Information about the containers of this item</p> <p>Remark NOTE: Dutch customs allow to specify some additional information per container. In order to be able to submit these, element Containers should be used instead of element ContainerNumbers.</p>
xs:sequence	Occurence 1 .. 1
Container	Occurence 1 .. 99
xs:sequence	Occurence 1 .. 1
ContainerNumber	<p>Occurence 1 .. 1</p> <p>Length .. 17</p>
NumberOfPackages	<p>Occurence 1 .. 1</p> <p>FractionDigits 0</p> <p>TotalDigits 8</p> <p>Description Number of packages of a goods item which have been allocated to this container</p>
ContainerType	<p>Occurence 0 .. 1</p> <p>Length .. 4</p> <p>Description Container SizeType accd. ISO (e.g. 22G0)</p>
FullEmptyIndicator	<p>Occurence 0 .. 1</p> <p>Default 5</p> <p>Description If no "FullEmpty" Indicator is sent, code "5" (full) will automatically be used for ENS to dutch customs</p>
IdentitiesOfMeansOfTransportAtBorder	Occurence 0 .. 1
xs:sequence	Occurence 1 .. 1
IdentityOfMeansOfTransportAtBorder	<p>Occurence 1 .. 999</p> <p>Description Information about the identity of means of transport at border</p>
xs:sequence	Occurence 1 .. 1
NationalityCrossingBorder	<p>Occurence 0 .. 1</p> <p>Pattern [a-zA-Z]{2}</p> <p>Description Country of origin of nationality crossing border (coded)</p>
IdentityCrossingBorder	<p>Occurence 0 .. 1</p> <p>Length .. 27</p> <p>Description Name or indicator of the registration number (means of transport at border)</p> <p>Remark For sea freight, the vessel's IMO or ENI number has to be submitted here. The field must not be used in case of air freight (TransportModeAtBorder = 4)</p>
NameCrossingBorder	<p>Occurence 0 .. 1</p> <p>Length .. 35</p>
ProducedDocumentsCertificates	Occurence 0 .. 1
xs:sequence	Occurence 1 .. 1
ProducedDocumentsCertificate	<p>Occurence 1 .. 99</p> <p>Description Information about the documents and certificates associated with this item</p>
xs:sequence	Occurence 1 .. 1
DocumentType	<p>Occurence 1 .. 1</p> <p>Length .. 4</p> <p>Description Coding for document type</p>
DocumentReference	<p>Occurence 1 .. 1</p> <p>Length .. 35</p> <p>Description Identifier of the document/ certificate (reference)</p>