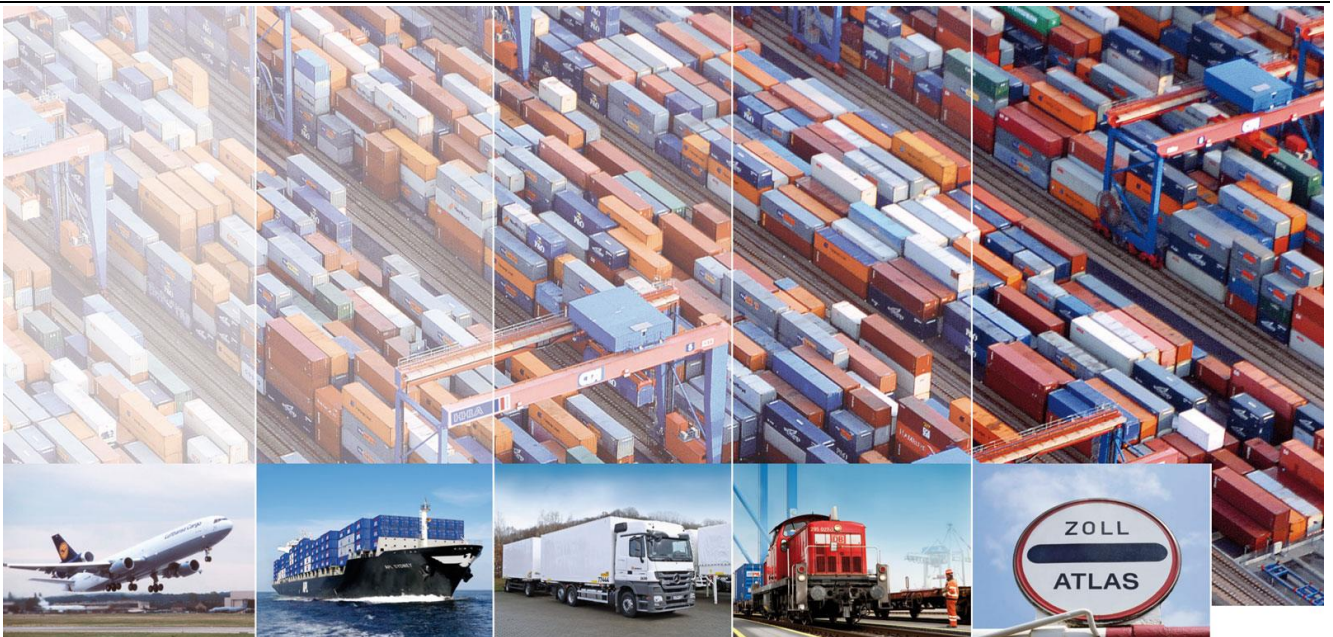




Error and Response Message (EDIFACT APERAK)

Message Implementation Guide
Version 1.7.1

(Valid from May 2022)

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Change history

Version	Chapter/ Section	Reason	Name	Date
1.0.0	2 4	Amended/extended usage description Corrected repetition of SG2 (2 instead of 1) Changed structure in SG5 to reflect different usage scenarios for the APERAK	Blanken	20.07.2010
1.0.1	All	Minor Corrections	Blanken	10.09.2010
1.2		Corrected length of local reference number (22 instead of 35)	Blanken	15.10.2010
1.3		(not released)		
1.4		Correction: Commercial Reference Number will be sent back in most (but not all) cases	Blanken	25.11.2010
1.5		(not released)		
1.6.0		Removed Version History prior to v1.0.0 Added segments RFF+ACW (UNH reference of original message) and RFF+ABO (Local Reference Number). Amended documentation regarding DOC+355.	Blanken	31.03.2011
1.7.0		Addition of Branch No.	Diettrich	15.09.2012
1.7.1		Changes in chapter 3.2.2 ResponseTypeCode and BGM segment > code 'FE' also allowed as ResponseType.	Diettrich	02.05.2022

Change requests

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Used tools

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

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1 Introduction

This document describes the EDIFACT APERAK message as it is used within the DAKOSY ICS system. Within DAKOSY ICS, the APERAK mainly serves three purposes:

- a) Inform a message sender about the processing of it's message (whether it was accepted or rejected at the IT Provider – e.g. DAKOSY - and, if rejected, for which reason)
- b) Same as a) but for acceptance/rejection at customs
- c) Provide the ENS responsible with the MRN number after a declaration has been registered by customs
- d) Inform the ENS responsible and/or carrier about customs intervention ("No Load" message or other control measures)

2 Data contained in Acknowledgement or Error Messages

This document describes one of the messages used by ZODIAK ICS to report the successful (or unsuccessful) processing of data back to the sender of that data.

2.1 Mapping of Acknowledgement and Error Messages to messages in ZODIAK ICS

Due to structural differences and different restrictions imposed by the EDIFACT and XML messages used for ZODIAK ICS, differences exist between the conversion of acknowledgement/error messages for the XML and EDIFACT formats. The following table describes which messages from customs/DAKOSY are converted into which type of message before being sent to the customer:

Message	Description	XML Message	EDIFACT Message
E_ENS_ACK, E_ENS_AAC, E_EXS_ACK	Customs Acknowledgement of Exit Summary Declaration, ENS or ENS Amendment	EntrySummaryDeclarationAck	IFTMCS "ACK"
E_ENS_REJ, E_ENS_ARJ, E_EXS_REJ	Customs Rejection of Exit Summary Declaration, ENS or ENS Amendment	CustomsAcknowledgement	APERAK
E_DIV_ACK, E_DIV_REJ	Acceptance or Rejection of a diversion request	CustomsAcknowledgement	APERAK
E_ARN_VAL, E_ARI_REJ	Acceptance or Rejection of an arrival notification / an arrival item	CustomsAcknowledgement	APERAK
--	Response Message from DAKOSY	Acknowledgement	APERAK
E_ENS_STA	Status Message	Customs Acknowledgement	APERAK

The purpose of these "multi use" messages can be determined based on the contents of certain data fields within the messages. An exact description of those data fields can be found in the format-specific sections of the respective guide.

2.2. Error Codes

A list of the error codes sent by DAKOSY will be made available on <http://www.dakosy.de>. The error codes sent by the different customs agencies in Europe are currently not published, therefore DAKOSY cannot provide a comprehensive list of these codes.

3 Implementation / Guideline information

3.1 Message content

It should be noted that the APERAK cannot carry all of the information present in the Declaration and Amendment Request acknowledgements (E_ENS_AAC and E_ENS_ACK), especially since some member states' customs essentially send back a copy of the whole declaration data.

Therefore a specialized variant of the IFTMCS has been developed in order to send information from the ENS and ENS amendment acknowledgement messages. This message is described separately.

3.2 Distinguishing the different purposes of an APERAK

The exact meaning of an APERAK message sent by DAKOSY can be determined by evaluating three data fields within the message:

3.2.1 Element BGM.1000 (Document Name)

This field will contain a code / name, indicating what content is transmitted using the APERAK message. It can take the following values:

Value	Meaning
PROVIDER	The APERAK is sent from an IT Provider (DAKOSY, for example) and informs the recipient about the successful or unsuccessful processing of his message
E_ENS_REJ	The APERAK contains information from customs, that an ENS declaration has been rejected.
E_ENS_ARJ	The APERAK contains information from customs, that an amendmend to an ENS declaration has been rejected.
E_DIV_ACK	The APERAK informs the recipient that a diversion request was accepted
E_DIV_REJ	The APERAK informs the recipient that a diversion request was rejected
E_ARN_VAL	The APERAK informs the recipient that an arrival notification was accepted
E_ARI_REJ	The APERAK informs the recipient that an arrival notification was rejected
E_AIV_NOT	The APERAK informs the recipient about an advanced intervention notification from customs
E_ENS_STA	The APERAK informs the recipient about the loading permission from customs.

3.2.2 Element BGM.4343 (Response Type Code)

This field will contain "AP" (message accepted), "RE" (message rejected) or "FE" (message rejected/message error). Depending on the type of response message, it can be set to a fixed value:

Value	Response Type Code
PROVIDER	Value will be "AP" or "RE"
E_ENS_REJ	Value will always be "RE"
E_ENS_ARJ	Value will always be "RE"
E_DIV_ACK	Value will always be "AP"
E_DIV_REJ	Value will always be "RE"
E_ARN_VAL	Value will be "AP", "RE" or "FE"
E_ARI_REJ	Value will always be "RE"
E_AIV_NOT	Value will always be "RE"
E_ENS_STA	Value will always be "AP"

3.2.3 Element SG4.ERC.9321 (Error Code)

In case of errors at the IT Provider or at customs, this field will contain a coded value describing the type of an error (or '0000' if no error occurred). An error code list for DAKOSY will be provided later.

Please note that DAKOSY does not provide the complete error code lists from customs as their current version is not available at the moment.

A textual description of the error will be provided in Element SG4.FTX+AAO.C108.4440.

3.3 Segment usage by message type

The usage of certain segments within the APERAK message varies depending on the type of information that is submitted with the message:

Message accd. BGM.1000	Segment usage
PROVIDER	- DTM+375 and DTM+334 are not used - SG2.RFF is used for the commercial reference (B/L number) - SG3.NAD is not used (see following chapters for a description of the usage of SG4 and SG5)
E_ENS_REJ	- DTM+334 is used for rejection date (if provided), DTM+375 is not used - SG2.RFF is used for the commercial reference (B/L number) - SG3.NAD is not used (see following chapters for a description of the usage of SG4 and SG5)
E_ENS_ARJ	- DTM+334 is used for rejection date - DTM+375 is used for date & time of amendment - SG2.RFF is used for the commercial reference (B/L number) - SG3.NAD+AG is used for information about the representative (see following chapters for a description of the usage of SG4 and SG5)
E_DIV_ACK	DTM+375 is used for date & time of diversion registration

	• SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD+CG is used for information about the trader requesting diversion • SG4.ERC contains '0000'
E_DIV_REJ	• DTM+334 is used for rejection date (if provided), DTM+375 is not used • SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD is not used • SG4.ERC contains an error code (if provided by customs) • (see following chapters for a description of the usage of SG4 and SG5)
E_ARN_VAL	• DTM+334 is used for arrival registration time • DTM+375 is used for declaration registration time • SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD+CG is used for information about the carrier • (see following chapters for a description of the usage of SG4 and SG5)
E_ARI_REJ	• DTM+334 is used for arrival rejection time • DTM+375 is not used • SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD is not used • (see following chapters for a description of the usage of SG4 and SG5)
E_AIV_NOT	• DTM+334 is used for date & time of submission • DTM+334 is used for date & time of registration • SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD is not used • (see following chapters for a description of the usage of SG4 and SG5)
E_ENS_STA	• DTM+334 is used for date & time of submission • DTM+334 is used for date & time of registration • SG2.RFF is used for the commercial reference (B/L number) • SG3.NAD is not used • (see following chapters for a description of the usage of SG4 and SG5)

3.4 Mapping of TAXUD conformant error messages to APERAK

The following rules apply when an APERAK is used to forward error/rejection messages (i.e. BGM.1000 = E_ENS_REJ or E_ENS_ARJ or E_DIV_REJ):

IF a DeclarationRejectionReason is provided by customs

THEN

- the first occurrence of SG4.ERC will carry an error code "0000"
- this occurrence's segment FTX+AAO will contain the declaration rejection reason
- the following occurrences of SG4.ERC will carry an error code which corresponds to the ErrorType as per TAXUD (each occurrence representing a "Functional Error" element accd. TAXUD)
- these occurrences' FTX+AAO will contain the Error Pointer (in FTX+AAO.#4440[1]), the Original Attribute Value (in FTX+AAO.#4440[2]) and the Error Reason (in FTX+AAO.#4440[3])

ELSE

- the occurrences of SG4.ERC will carry an error code which corresponds to the ErrorType as per TAXUD
- the occurrences' FTX+AAO will contain the Error Pointer (in FTX+AAO.#4440[1]), the Original Attribute Value (in FTX+AAO.#4440[2]) and the Error Reason (in FTX+AAO.#4440[3])

END

3.5 Mapping of TAXUD conformant „No Load“ messages to APERAK

The following rules apply when an APERAK is used to forward “No Load” messages to the customers:

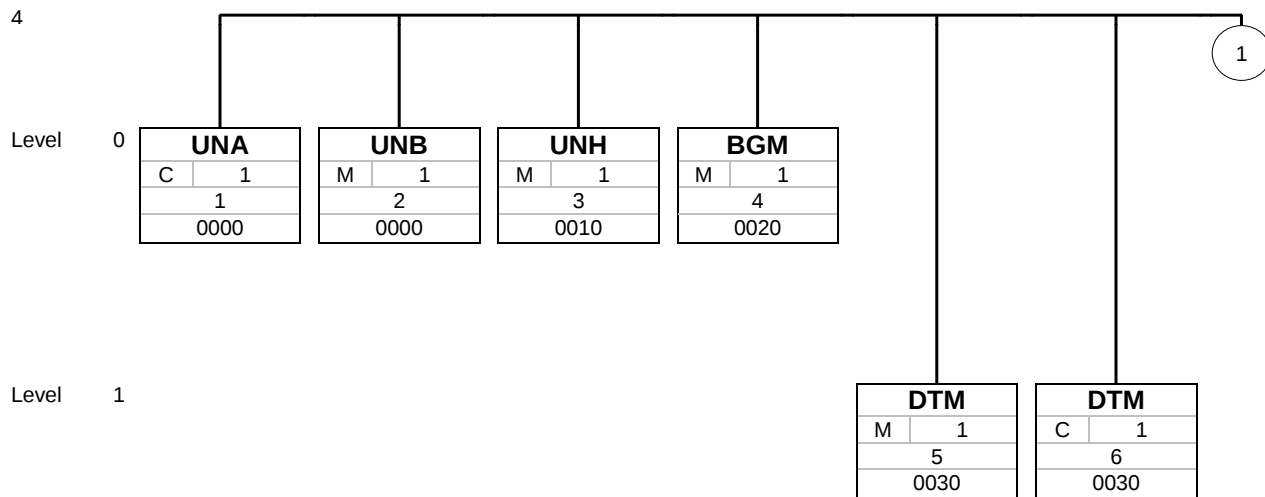
- Segment SG4.ERC will occur once, carrying an error code "0000"
- Segment FTX+MRN will contain the MRN affected by the "No Load"
- Occurences of SG5.RFF with qualifier "INT" are used to describe customs interventions
 - Data Element 1154 will contain the item number affected (if provided by customs)
 - Segment FTX+AAH will contain detailed information about the intervention (as far as provided by customs)
- Occurences of SG5.RFF with qualifier "GID" are used to describe the items affected by customs interventions
 - Data Element 1154 will contain the item number affected
 - Occurences of segment FTX+EQD will contain the container numbers affected (if provided by customs)

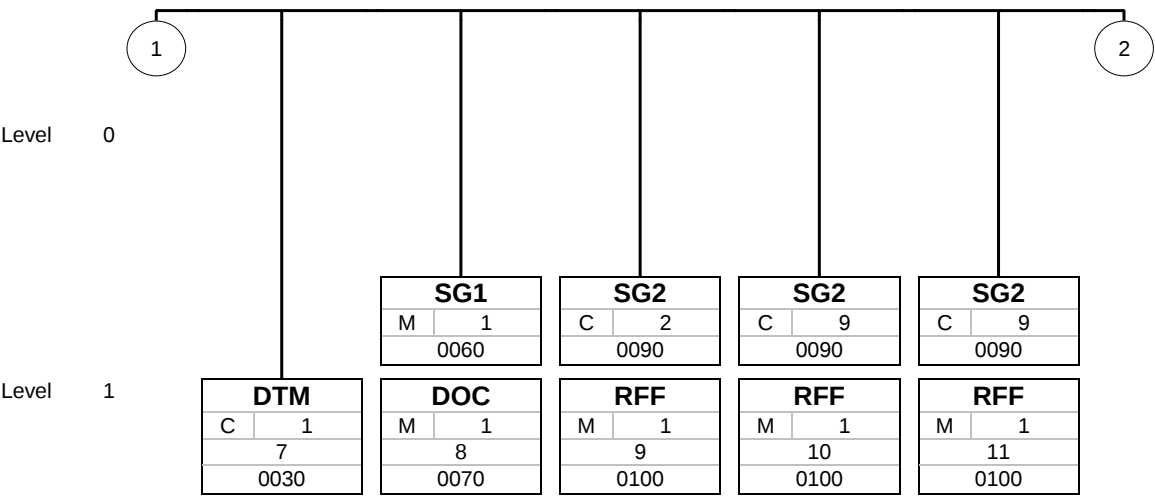
4 Message Structure

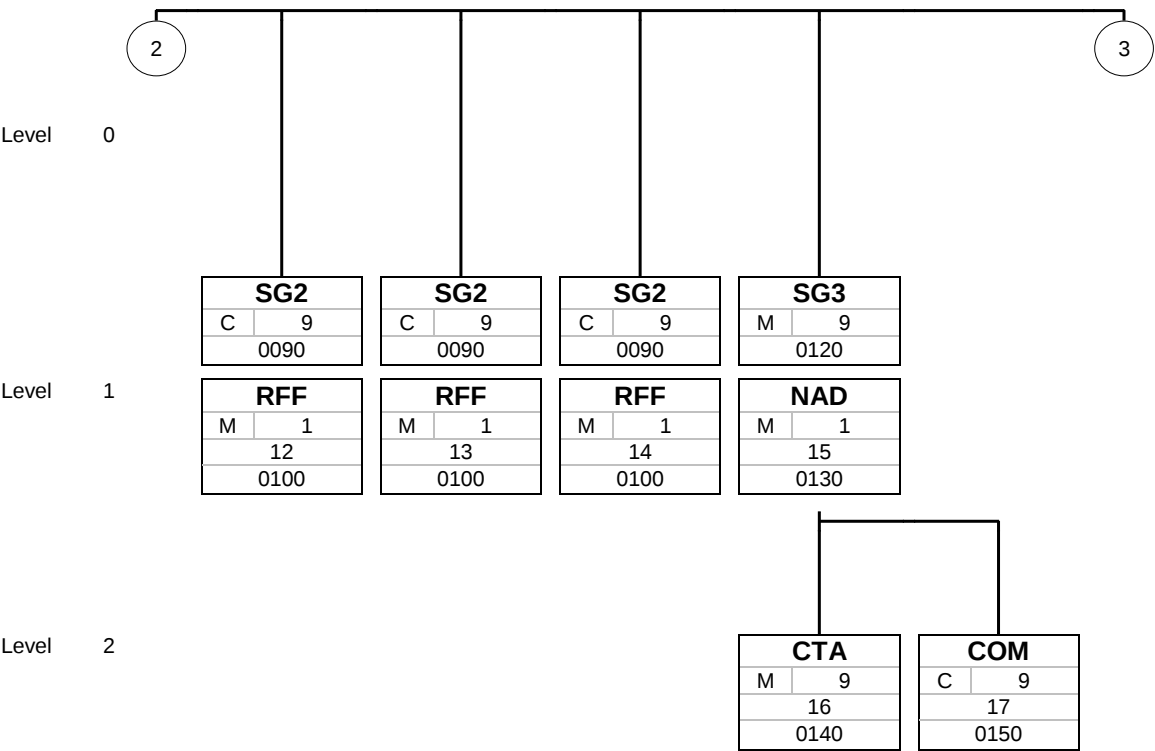
	Counte	No	Tag	St	MaxOcc	Level	Content
	0000	1	UNA	C	1	0	Service string advice
	0000	2	UNB	M	1	0	Interchange header
	0010	3	UNH	M	1	0	Message header
	0020	4	BGM	M	1	0	Message Type and information about Acceptance/Rejection
	0030	5	DTM	M	1	1	Message Date
	0030	6	DTM	C	1	1	Date of registration (of ENS declaration)
	0030	7	DTM	C	1	1	Date of acceptance or rejection
	0060		SG1	M	1	1	DOC
	0070	8	DOC	M	1	1	Message Type of original message
	0090		SG2	C	2	1	RFF
	0100	9	RFF	M	1	1	Commercial Reference Number (B/L number)
	0090		SG2	C	9	1	RFF
	0100	10	RFF	M	1	1	UNH reference of original Message
	0090		SG2	C	9	1	RFF
	0100	11	RFF	M	1	1	Local Reference Number
	0090		SG2	C	9	1	RFF
	0100	12	RFF	M	1	1	Number of transport (E_ENS_STA)
	0090		SG2	C	9	1	RFF
	0100	13	RFF	M	1	1	Transboundary active means of transport (Features) (E_ENS_STA)
	0090		SG2	C	9	1	RFF
	0100	14	RFF	M	1	1	Status of the subscription process (E_ENS_STA)
	0120		SG3	M	9	1	NAD-CTA-COM
	0130	15	NAD	M	1	1	Message Sender
	0140	16	CTA	M	9	2	Contact information
	0150	17	COM	C	9	2	Communication contact
	0120		SG3	M	9	1	NAD
	0130	18	NAD	M	1	1	Message Recipient
	0120		SG3	C	9	1	NAD
	0130	19	NAD	M	1	1	Sender of Diversion Request or Arrival Notice
	0160		SG4	D	99999	1	ERC-FTX-FTX-SG5-SG5
	0170	20	ERC	M	1	1	Application error information
	0180	21	FTX	C	1	2	MRN
	0180	22	FTX	C	1	2	Error Message
	0190		SG5	D	999	2	RFF-FTX
	0200	23	RFF	M	1	2	Customs Intervention
	0210	24	FTX	C	1	3	Customs action information

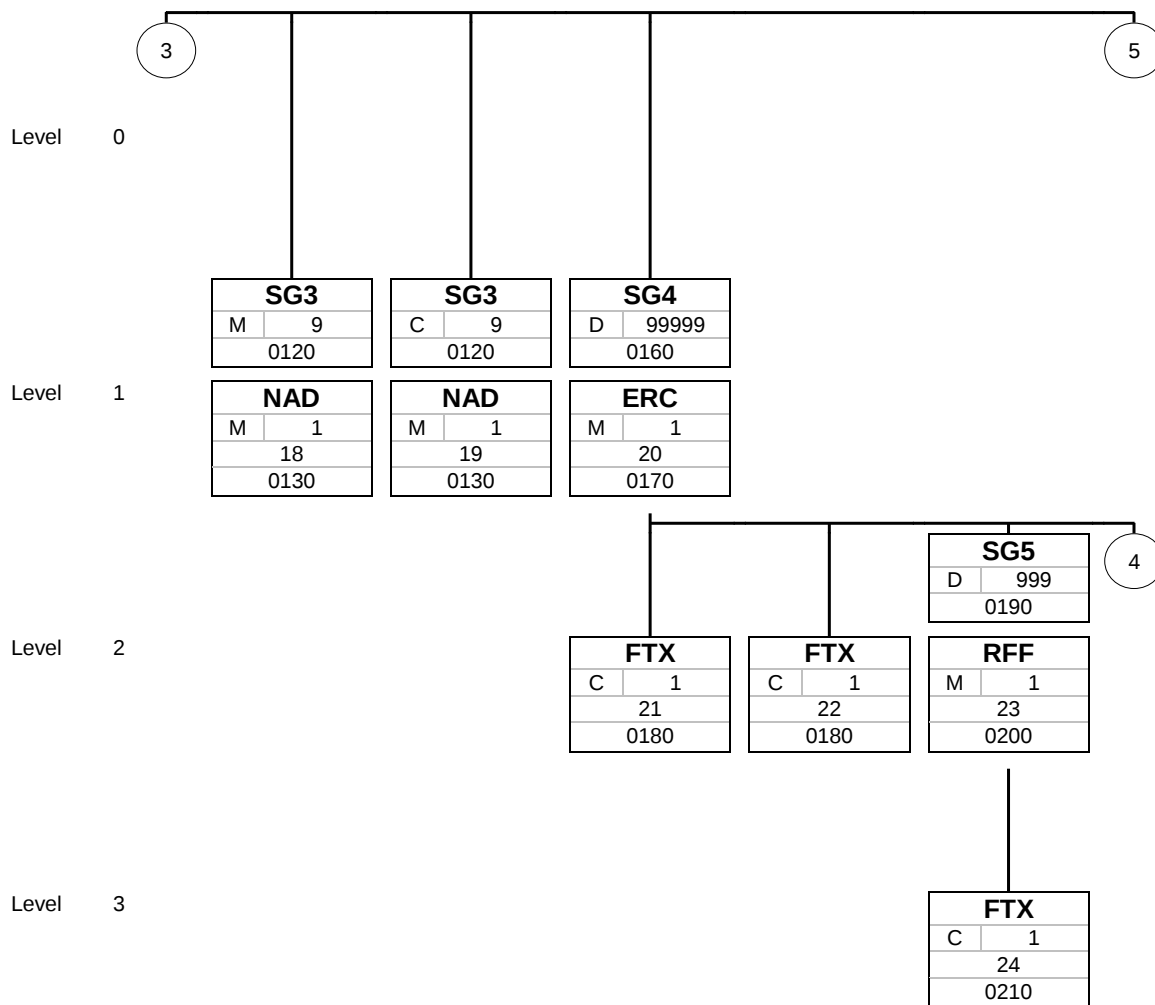
Counte	No	Tag	St	MaxOcc	Level	Content
	0190	SG5	D	999	2	RFF-FTX
	0200	25 RFF	M	1	2	Reference to individual Goods Item
	0210	26 FTX	O	99	3	Container Number
	0220	27 UNT	M	1	0	Message trailer
00	28 UNZ	M	1	0		Interchange trailer

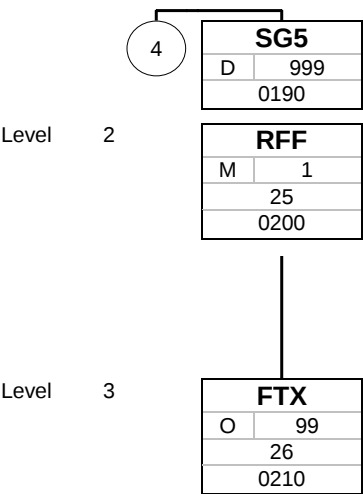
5 Branching Diagram

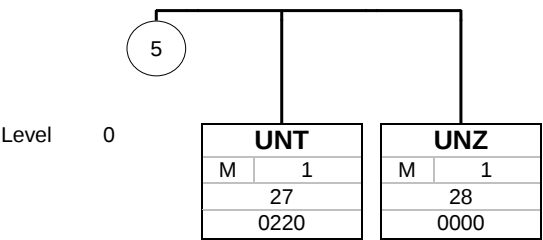












6 Segment Description

Counter	No	Tag	St	MaxOcc	Level	Name
0000	1	UNA	C	1	0	Service string advice

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNA				
UNA1	Component data element separator	M an1	M an1	
UNA2	Data element separator	M an1	M an1	
UNA3	Decimal notation	M an1	M an1	
UNA4	Release indicator	M an1	M an1	
UNA5	Reserved for future use	M an1	M an1	
UNA6	Segment terminator	M an1	M an1	

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0000	2	UNB	M	1	0	Interchange header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNB				
S001	Syntax identifier	M	M	
0001	Syntax identifier	M a4	M a4	
0002	Syntax version number	M n1	M n1	
S002	Interchange sender	M	M	
0004	Sender identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	N	Not used
0008	Address for reverse routing	C an..14	N	Not used
S003	Interchange recipient	M	M	
0010	Recipient identification	M an..35	M an..35	
0007	Partner identification code qualifier	C an..4	N	Not used
0014	Routing address	C an..14	N	Not used
S004	Date/time of preparation	M	M	
0017	Date of preparation	M n6	M n6	
0019	Time of preparation	M n4	M n4	
0020	Interchange control reference	M an..14	M an..14	Description: A unique reference number identifying this EDIFACT interchange.
S005	Recipient's reference, password	C	N	
0022	Recipient's reference/password	M an..14	M an..14	
0025	Recipient's reference/password qualifier	C an2	N	Not used
0026	Application reference	C an..14	N	Not used
0029	Processing priority code	C a1	N	Not used
0031	Acknowledgement request	C n1	N	Not used
0032	Communications agreement ID	C an..35	N	Not used
0035	Test indicator	C n1	C n1	Description: Test indicator. If this field is submitted and has a value '1', the message will be treated as a test message.

Example:

UNB+UNOC:3+DAK+CARR+100128:1057+22+++++1'

Counter	No	Tag	St	MaxOcc	Level	Name
0010	3	UNH	M	1	0	Message header

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNH				
0062	Message reference number	M an..14	M an..14	Description: Unique technical reference identifying this EDIFACT message
S009	Message identifier	M	M	
0065	Message type	M an..6	M an..6	
0052	Message version number	M an..3	M an..3	
0054	Message release number	M an..3	M an..3	
0051	Controlling agency	M an..2	M an..2	
0057	Association assigned code	C an..6	C an..6	Description: For ICS: Interface specification version, currently APP10
0068	Common access reference	C an..35	N	Not used
S010	Status of the transfer	C	N	
0070	Sequence of transfers	M n..2	N	Not used
0073	First and last transfer	C a1	N	Not used

Example:

UNH+1+APERAK:D:00B:UN:APP10'

Counter	No	Tag	St	MaxOcc	Level	Name
0020	4	BGM	M	1	0	Message Type and information about Acceptance/ Rejection

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
BGM				
C002	Document/message name	C	M	
1001	Document name code	C an..3	M an..3	294 Application acknowledgement and error report
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
1000	Document name	C an..35	C an..35	Description: Used to specify the exact type of response. This element contains either one of the TAXUD message names (specifying the content represented by the APERAK message) or the value 'PROVIDER', indicating that the APERAK is an Acknowledge or Error report from DAKOSY. E_ENS_ ENTRY SUMMARY DECLARATION REJ REJECTED (IE316) E_ENS_ ENTRY SUMMARY DECLARATION ARJ AMENDMENT REJECTION (IE305) E_DIV_R DIVERSION REQUEST REJECTED (IE324) EJ E_DIV_A DIVERSION REQUEST CK ACKNOWLEDGEMENT (IE325) E_ARN_ ARRIVAL NOTIFICATION VALIDATION VAL (IE348), confirms Arrival Notification E_ARI_R ARRIVAL ITEM REJECTION (IE349) EJ E_AIV_N ADVANCED INTERVENTION NOTIFICATION OT (IE351) PROVID Acknowledgement or Error message from ER DAKOSY E_IMP_C IMPORT CONTROL DECISION NOTIFICATION TR (IE361) E_ENS_ Statusnachricht zur Eingangs-SumA und STA Ankunftsanzeige
C106	Document/message identification	C	M	
1004	Document identifier	C an..35	M an..35	Description: ID of the APERAK, assigned by the message sender
1056	Version identifier	C an..9	N	Not used
1060	Revision identifier	C an..6	N	Not used
1225	Message function code	C an..3	C an..3	9 Original
4343	Response type code	C an..3	C an..3	AP Accepted RE Rejected FE Rejected/Error Description: This element will carry value 'AP' for the message types E_DIV_ACK, E_ARN_VAL or a positive (acknowledgement) message from DAKOSY. It will contain 'RE'/'FE' for any of the TAXUD messages E_ENS_REJ, E_ENS_ARJ, E_DIV_REJ, E_ARI_REJ or E_AIV_NOT and for a negative (error) response message from DAKOSY.

Example:

BGM+294:::E_ENS_REJ+1324040+9+RE'

Counter	No	Tag	St	MaxOcc	Level	Name
0030	5	DTM	M	1	1	Message Date

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	137 Document/message date/time
2380	Date or time or period value	C an..35	C an..35	Description: Date of message creation
2379	Date or time or period format code	C an..3	C an..3	203 CCYYMMDDHHMM

Example:

DTM+137:201001270942:203 '

Counter	No	Tag	St	MaxOcc	Level	Name
0030	6	DTM	C	1	1	Date of registration (of ENS declaration)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	375 Date of first registration
2380	Date or time or period value	C an..35	M an..35	Field in ICS: Date/Time of Registration Description: This element will contain the date and time of registration of the ENS declaration at customs. For acknowledgement or error messages from DAKOSY this segment will not be used.
2379	Date or time or period format code	C an..3	M an..3	203 CCYYMMDDHHMM

Example:

DTM+375:201002161142:203'

Counter	No	Tag	St	MaxOcc	Level	Name
0030	7	DTM	C	1	1	Date of acceptance or rejection

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DTM				
C507	Date/time/period	M	M	
2005	Date or time or period function code qualifier	M an..3	M an..3	334 Status change date/time
2380	Date or time or period value	C an..35	D an..35	Description: For the E_DIV_ACK and E_ARN_VAL message types, this segment will contain the date of acceptance of the diversion request resp. the arrival notification. For customs rejection messages, the date of rejection at customs will be sent (if provided).
2379	Date or time or period format code	C an..3	M an..3	203 CCYYMMDDHHMM

Example:

DTM+334:201002161100:203'

Counter	No	Tag	St	MaxOcc	Level	Name
0060		SG1	M	1	1	DOC
0070	8	DOC	M	1	1	Message Type of original message

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
DOC				
C002	Document/message name	M	M	
1001	Document name code	C an..3	M an..3	Description: This will contain the code which has been sent in BGM.1001 of the original message 355 Customs summary declaration without commercial detail, alternate 23 Status information
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
1000	Document name	C an..35	N	Not used
C503	Document/message details	C	M	
1004	Document identifier	C an..35	M an..22	Description: Original document reference - this is the reference that has been sent in the BGM segment of the message to which this APERAK relates. For No-Load Messages (BGM.1000 = 'E_AIV_NOT'), this segment will contain the LRN.
1373	Document status code	C an..3	N	Not used
1366	Document source description	C an..70	N	Not used
3453	Language name code	C an..3	N	Not used
1056	Version identifier	C an..9	N	Not used
1060	Revision identifier	C an..6	N	Not used
3153	Communication medium type code	C an..3	N	Not used
1220	Document copies required quantity	C n..2	N	Not used
1218	Document originals required quantity	C n..2	N	Not used

Example:

DOC+355+ENS3226504'

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	2	1	RFF
0100	9	RFF	M	1	1	Commercial Reference Number (B/L number)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	BM Bill of lading number UCN Unique consignment reference number
1154	Reference identifier	C an..70	M an..70	Field in ICS: Commercial Reference Number (B/L Number)
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

RFF+BM:CARR1324567890'

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	9	1	RFF
0100	10	RFF	M	1	1	UNH reference of original Message

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	
1154	Reference identifier	C an..70	R an..14	Description: Original message reference number - this is the reference that has been sent in the UNH segment of the message to which this APERAK relates
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	9	1	RFF
0100	11	RFF	M	1	1	Local Reference Number

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	
1154	Reference identifier	C an..70	R an..22	Description: Contains the LRN of the process to which this APERAK belongs
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	9	1	RFF
0100	12	RFF	M	1	1	Number of transport (E_ENS_STA)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	TF Transfer number
1154	Reference identifier	C an..70	R an..35	Description: Number of transport (E_ENS_STA)
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	9	1	RFF
0100	13	RFF	M	1	1	Transboundary active means of transport (Features) (E_ENS_STA)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	VM Vessel identification
1154	Reference identifier	C an..70	R an..27	Description: Transboundary active means of transport (Features) (E_ENS_STA)
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0090		SG2	C	9	1	RFF
0100	14	RFF	M	1	1	Status of the subscription process (E_ENS_STA)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	RE Release number
1154	Reference identifier	C an..70	R an5	Description: Status of the subscription process (E_ENS_STA) ENS01 ENS02 ENS03
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

Counter	No	Tag	St	MaxOcc	Level	Name
0120		SG3	M	9	1	NAD-CTA-COM
0130	15	NAD	M	1	1	Message Sender

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party function code qualifier	M an..3	M an..3	MS Document/message issuer/sender
C082	Party identification details	C	M	
3039	Party identifier	M an..35	M an..35	Description: Message sender's code. Included for compatibility with Portbase.
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C058	Name and address	C	N	
3124	Name and address description	M an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
C080	Party name	C	N	
3036	Party name	M an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3045	Party name format code	C an..3	N	Not used
C059	Street	C	N	
3042	Street and number or post office box identifier	M an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3164	City name	C an..35	N	Not used
C819	Country sub-entity details	C	N	
3229	Country sub-entity name code	C an..9	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3228	Country sub-entity name	C an..35	N	Not used
3251	Postal identification code	C an..17	N	Not used
3207	Country name code	C an..3	N	Not used

Example:

NAD+MS+DAKOSY '

Counter	No	Tag	St	MaxOcc	Level	Name
0120		SG3	M	9	1	NAD-CTA-COM
0140	16	CTA	M	9	2	Contact information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
CTA				
3139	Contact function code	C an..3	M an..3	IC Information contact
C056	Department or employee details	C	M	
3413	Department or employee name code	C an..17	N	Not used
3412	Department or employee name	C an..35	M an..35	Description: Name of a contact at the APERAK's sender

Example:

CTA+IC+:DAKOSY SUPPORT'

Counter	No	Tag	St	MaxOcc	Level	Name
0120		SG3	M	9	1	NAD-CTA-COM
0150	17	COM	C	9	2	Communication contact

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
COM				
C076	Communication contact	M	M	
3148	Communication address identifier	M an..512	M an..512	Description: Phone number of the contact mentioned in the previous CTA segment
3155	Communication address code qualifier	M an..3	M an..3	TE Telephone

Example:

COM+04037086990:TE'

Counter	No	Tag	St	MaxOcc	Level	Name
0120		SG3	M	9	1	NAD
0130	18	NAD	M	1	1	Message Recipient

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party function code qualifier	M an..3	M an..3	MR Message recipient
C082	Party identification details	C	M	
3039	Party identifier	M an..35	M an..35	Description: Code of message receiver (sender of original message) - included for compatibility with Port Base specs
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C058	Name and address	C	N	
3124	Name and address description	M an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
C080	Party name	C	N	
3036	Party name	M an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3045	Party name format code	C an..3	N	Not used
C059	Street	C	N	
3042	Street and number or post office box identifier	M an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3164	City name	C an..35	N	Not used
C819	Country sub-entity details	C	N	
3229	Country sub-entity name code	C an..9	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3228	Country sub-entity name	C an..35	N	Not used
3251	Postal identification code	C an..17	N	Not used
3207	Country name code	C an..3	N	Not used

Example:

NAD+MR+DKL '

Counter	No	Tag	St	MaxOcc	Level	Name
0120		SG3	C	9	1	NAD
0130	19	NAD	M	1	1	Sender of Diversion Request or Arrival Notice

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
NAD				
3035	Party function code qualifier	M an..3	M an..3	AG Agent/representative CG Carrier's agent VW Responsible party
C082	Party identification details	C	M	
3039	Party identifier	M an..35	M an..35	Description: EORI TIN of the sender of a diversion request or arrival notification
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C058	Name and address	C	C	
3124	Name and address description	M an..35	M n4	Description: Branch number
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
3124	Name and address description	C an..35	N	Not used
C080	Party name	C	C	
3036	Party name	M an..35	M an..35	
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3036	Party name	C an..35	N	Not used
3045	Party name format code	C an..3	N	Not used
C059	Street	C	C	
3042	Street and number or post office box identifier	M an..35	M an..35	
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3042	Street and number or post office box identifier	C an..35	N	Not used
3164	City name	C an..35	C an..35	
C819	Country sub-entity details	C	N	
3229	Country sub-entity name code	C an..9	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
3228	Country sub-entity name	C an..35	N	Not used
3251	Postal identification code	C an..17	C an..17	

3207	Country name code	C an..3	C an..3	
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Example:

NAD+AG+DE1234567++Meldender+Meldestrasse 22+12345++Meldestatt+DE'

Counter	No	Tag	St	MaxOcc	Level	Name
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0160		SG4	D	99999	1	ERC-FTX-SG5
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Depending on the message context, occurrences of this segment group are used to describe functional errors as well as to indicate which MRNs/MRN positions/containers are affected by a customs rejection or intervention

0170	20	ERC	M	1	1	Application error information
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Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
ERC				
C901	Application error detail	M	M	Field in ICS: Error Type Description: - For error or acknowledgement messages from DAKOSY (BGM.1000 = "PROVIDER") this field contains DAKOSY's error code or "CHK0000" if there is no error. NOTE: Error codes starting with "TEC" denote technical errors. - For "No Load" messages (BGM.1000 = "E_AIV_NOT") this field will contain the text "0000" and SG4 will occur only once. - For error messages from customs (BGM.1000 ends with "REJ" or "ARJ") this field contains the ErrorType accd. to the TAXUD specification. The *first* occurrence might contain "0000" to indicate that it contains a segment FTX+AAO which contains the Declaration Rejection Reason accd. to TAXUD specs.
9321	Application error code	M an..8	M an..8	
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used

Example:

ERC+0000'

Counter	No	Tag	St	MaxOcc	Level	Name
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0160 **SG4** D 99999 1 **ERC-FTX-SG5**

Depending on the message context, occurrences of this segment group are used to describe functional errors as well as to indicate which MRNs/MRN positions/containers are affected by a customs rejection or intervention

0180 21 **FTX** C 1 2 **MRN**

For "No Load" messages (BGM.1000 != "E_AIV_NOT") this segment will contain the MRN affected

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	MRN Movement Reference Number
4453	Free text function code	C an..3	N	Not used
C107	Text reference	C	N	
4441	Free text value code	M an..17	M an..17	
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C108	Text literal	C	M	
4440	Free text value	M an..512	M an..512	Field in ICS: Error Description or MRN
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Example:

FTX+MRN+++10DE123456789012I3'

Counter	No	Tag	St	MaxOcc	Level	Name
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0160 **SG4** D 99999 1 **ERC-FTX-SG5**

Depending on the message context, occurrences of this segment group are used to describe functional errors as well as to indicate which MRNs/MRN positions/containers are affected by a customs rejection or intervention

0180 22 **FTX** C 1 2 **Error Message**

This segment contains the error description and error pointer (FTX+AAO)

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	AAO Error description (free text) MRN Movement Reference Number
4453	Free text function code	C an..3	N	Not used
C107	Text reference	C	N	
4441	Free text value code	M an..17	M an..17	
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C108	Text literal	C	M	
4440	Free text value	M an..512	D an..350	Field in ICS: Error Pointer / Declaration Rejection Reason Description: For customs error messages (BGM.1000 != "PROVIDER" AND BGM.1000 != "E_AIV_NOT") this field corresponds to the "Declaration Rejection Reason" resp. the "Error Pointer" specified in the TAXUD recommendation. Otherwise the error description by DAKOSY will be provided here. Error Pointer/DeclarationRejectionReason
4440	Free text value	C an..512	C an..140	OriginalAttributeValue Description: For customs error messages (BGM.1000 != "PROVIDER" AND BGM.1000 != "E_AIV_NOT") this field corresponds to the "Original Attribute Value" specified in the TAXUD recommendation.
4440	Free text value	C an..512	C an..6	Description: For customs error messages (BGM.1000 != "PROVIDER" AND BGM.1000 != "E_AIV_NOT") this field corresponds to the "Error Reason" specified in the TAXUD recommendation. Error Reason
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Example:

FTX+AAO+++Error Description:Error.Pointer'

Counter	No	Tag	St	MaxOcc	Level	Name
0190		SG5	D	999	2	RFF-FTX
0200	23	RFF	M	1	2	Customs Intervention

Information about customs interventions. Will be sent only with "No Load" messages (BGM.1000 = "E_AIV_NOT")

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	INT
1154	Reference identifier	C an..70	O n..5	Description: Item Number Concerned
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

RFF+INT:1'

Counter	No	Tag	St	MaxOcc	Level	Name
0190		SG5	D	999	2	RFF-FTX
0210	24	FTX	C	1	3	Customs action information

Customs action information

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	
4453	Free text function code	C an..3	N	Not used
C107	Text reference	C	C	
4441	Free text value code	M an..17	M an..17	Field in ICS: Customs Intervention code ICS related remarks: Type of customs action, coded Description: Type of customs intervention reported with an E_AIV_NOT message. A001 Ladeverbot / Do not load D001 Papiermäßige Überprüfung / Inspection of documentation P001 Volle Beschau / Inspection of goods S001 Verschlusskontrolle / Inspection of Seals
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C108	Text literal	C	C	
4440	Free text value	M an..512	M an..512	Field in ICS: Customs Intervention text ICS related remarks: Description of customs action (Part 1)
4440	Free text value	C an..512	C an..512	Field in ICS: Customs Intervention text ICS related remarks: Description of customs action (Part 2)
4440	Free text value	C an..512	C an..512	Field in ICS: Customs Intervention text ICS related remarks: Description of customs action (Part 3)
4440	Free text value	C an..512	C an..70	Field in ICS: Customs Intervention text ICS related remarks: Description of customs action (Part 4)
4440	Free text value	C an..512	C an..70	Field in ICS: Customs Intervention text ICS related remarks: Description of customs action (Part 5)
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Example:

FTX+AAH++P001+Allgemeine:körperliche:Kontrolle:der:Waren'

Counter	No	Tag	St	MaxOcc	Level	Name
0190		SG5	D	999	2	RFF-FTX
0200	25	RFF	M	1	2	Reference to individual Goods Item

Information about item positions affected by customs interventions. Will be sent only with "No Load" messages (BGM.1000 = "E_AIV_NOT"), if customs provides this information.

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
RFF				
C506	Reference	M	M	
1153	Reference code qualifier	M an..3	M an..3	GID
1154	Reference identifier	C an..70	C an..70	Description: Item Number affected
1156	Document line identifier	C an..6	N	Not used
4000	Reference version identifier	C an..35	N	Not used
1060	Revision identifier	C an..6	N	Not used

Example:

RFF+GID:1'

Counter	No	Tag	St	MaxOcc	Level	Name
0190		SG5	D	999	2	RFF-FTX
0210	26	FTX	O	99	3	Container Number

Container(s) affected by a customs intervention or rejection

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
FTX				
4451	Text subject code qualifier	M an..3	M an..3	EQD Container Number
4453	Free text function code	C an..3	N	Not used
C107	Text reference	C	N	
4441	Free text value code	M an..17	N	Not used
1131	Code list identification code	C an..17	N	Not used
3055	Code list responsible agency code	C an..3	N	Not used
C108	Text literal	C	C	
4440	Free text value	M an..512	M an..512	
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
4440	Free text value	C an..512	N	Not used
3453	Language name code	C an..3	N	Not used
4447	Free text format code	C an..3	N	Not used

Example:

FTX+EQD+++HLCU1234567'

Counter	No	Tag	St	MaxOcc	Level	Name
0220	27	UNT	M	1	0	Message trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNT				
0074	Number of segments in the message	M n..6	M n..6	
0062	Message reference number	M an..14	M an..14	

Example:

UNT+18+1 '

Counter	No	Tag	St	MaxOcc	Level	Name
0000	28	UNZ	M	1	0	Interchange trailer

Standard			Implementation	
Tag	Name	St Format	St Format	Usage / Remark
UNZ				
0036	Interchange control count	M n..6	M n..6	
0020	Interchange control reference	M an..14	M an..14	

Example:

UNZ+1+22 '

7 Further information on ICS / ECS

On the EU's web site, a number of documents describe the specifics of ICS and ECS. Along with some FAQ documents, one can also find examples how to handle certain scenarios such as slot-chartering agreements or short shipped containers:

http://ec.europa.eu/ecip/security_amendment/procedures/index_en.htm

Another web site contains the original text of the Annex 30a, a document describing the changes to the EU customs codex which form the basis for the ICS and ECS regulations:

<http://eur-lex.europa.eu/LexUriServ/LexUriServ.do?uri=OJ:L:2006:360:0064:0125:EN:PDF>