

APERAK Application Error and Acknowledgement Message

Introduction:

The function of this message is: a) to inform a message issuer that his message has been received by the addressee's application and has been rejected due to errors encountered during its processing in the application. b) to acknowledge to a message issuer the receipt of his message by the addressee's application.

Notes:

This Message Implementation Guideline (MIG) has been developed by JUL Project Team, in the context of the JUL Portuguese Project (www.projeto-jul.pt).

In this context, the following items are considered. The document provides the definition of a message to be used in electronic data interchange between stakeholders (Port Authorities, Terminal Operators, Carriers, Shipping Agents, etc.) acting in Portuguese ports. The purpose is to provide validation and integration results of previously sent messages between stakeholders.

The information is expressed by code, optionally complemented by textual information.

The process of this report follows the principals described below:

- It is understood that a received message has a header, and zero or more details. For example, in a message related with transport equipment, the header contains data like the document id or the document issuer, while each detail contain the transport equipment identification and other related data specifically associated with it, like the port of loading or the weight.
- The validation process starts by validating the header. If an error is found, it is kept for later. Then the process goes to the first detail. Again if an error is found, it is also kept. Then the next detail is checked, and so on, until the end of the message.
- Once the validation process completes, the kept errors are used to build the acknowledgement message according to the definition in this MIG.
- If no error is found, a success code is returned for the header and for each detail in the received message.
- The exception to the above point is if the error is so severe that does not allow the interpretation of the received message. Typical situations of severe syntax problems.

Due to the existence of current implementations of this message in some Portuguese ports, the document signals where backward compatibility is relevant. However, new or updated implementations must follow this MIG and shall ignore these specific exceptions.

This MIG provides guidance as to the recommended usage of codes, qualifiers, data elements, composites, segments and groups of segments in the D.16A APERAK. The intention is to assist developers to ensure

consistent use of the APERAK message throughout the worldwide trade and transport community.

The MIG was elaborated considering the following references:

- UN/EDIFACT D.16A APERAK
- UN/EDIFACT D.16A Data Element Codes
- UN/ECE Recommendation 7 – Numerical Representation of Dates, Time, and Periods of Time
- ITIGG: General Recommendations Version 2.1 March 2001
- ITIGG: Principles and rules for the implementation of transport EDI messages - Application Error and Acknowledgment - JM4/ITIGG/129/v.13, October 1997

Usage indicators in this MIG follow ITIGG Recommendation D4/G44.

Status Indicators (“M” and “C”) form part of the UN/EDIFACT standard and indicate a minimum requirement to fulfil the needs of the message structure. They are not adequate for implementation purposes. The Status Indicators are:

Value Description

M Mandatory

The entity marked as such must appear in all messages, and apply to these messages as well as to any associated implementation guidelines (and consequently is also a Usage Indicator).

C Conditional

The entity is used by agreement between trading partners.

Usage Indicators are implementation related indicators that further detail the use of “Conditional” Status Indicators. Usage Indicators are applied at all levels of the guidelines and shown adjacent to data items such as segment groups, segments, composite data elements and simple data elements. They dictate the agreed usage of the data items or entities. The Usage Indicators are:

Value Description

M Mandatory

Indicates the item is mandatory in the UN/EDIFACT message.

R Required

Indicates the item must be transmitted in this implementation.

D Dependent

Indicates that the use of the item is depending on a well-defined condition or set of conditions. These conditions must be clearly specified in the relevant implementation guideline.

O Optional

Indicates that this item is at the need or discretion of both trading partners.

X Not Used

Indicates that this item is not to be used in this implementation.

Where an item within a segment group, segment or composite data element is marked with Usage Indicators

“M” or “R”, but the segment group, segment or composite data element has been marked “O” or “D” (or for that matter “X”), the item is only to be transmitted when the segment group, segment or composite of which it is a part, is used.

Examples in the text are just related with the segments where they appear. They are not necessarily related between each other.

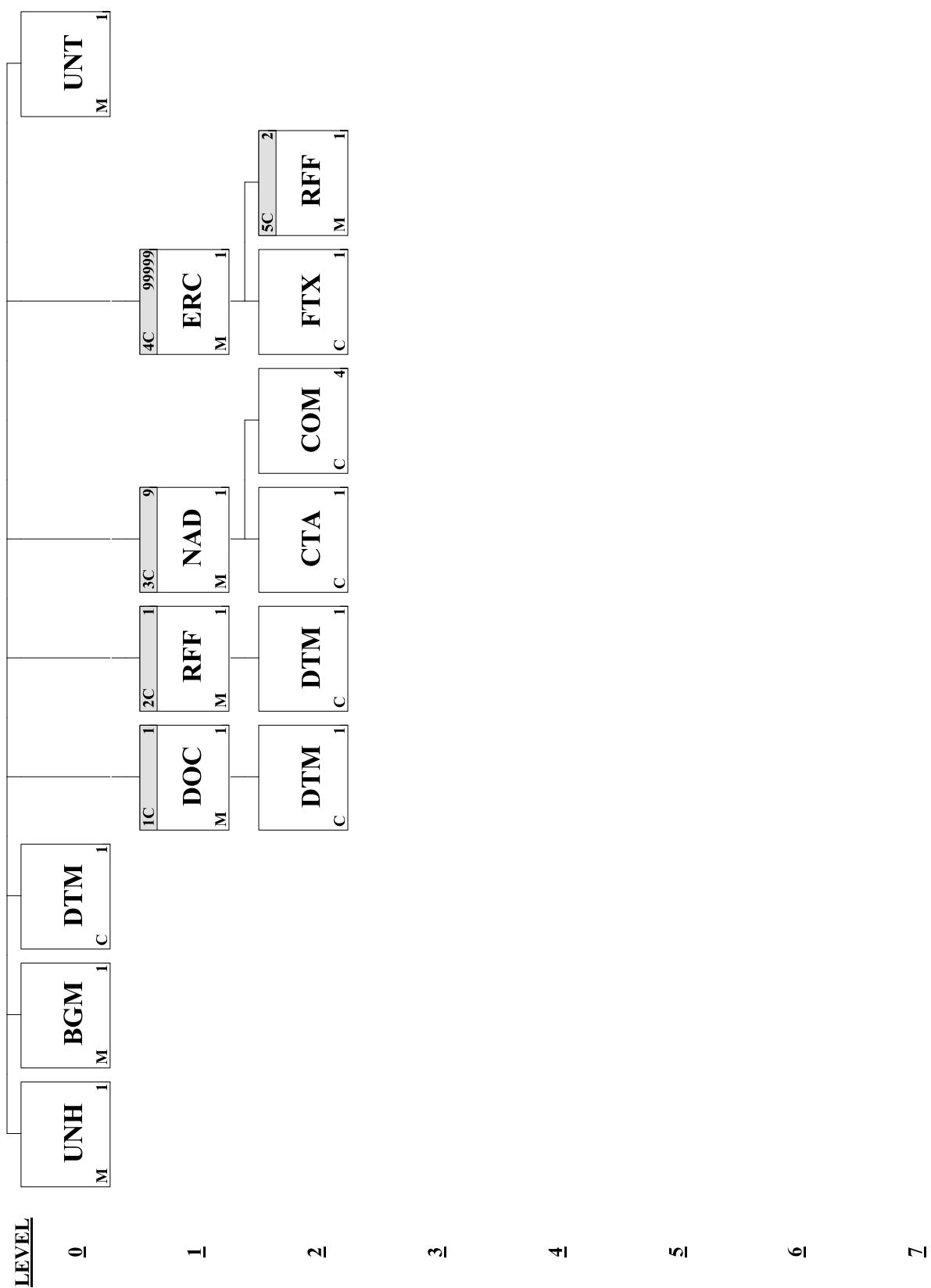
*** Special Note On Local Usage

Due to the diverse realities of the Portuguese ports and the stakeholders operating in them, it is necessary to define local rules, codes, etc. But this needs to be done considering the harmonization framework that this document defines.

In order to avoid a heavy guideline where all local port specifics are expressed, the approach is to redirect the reader to an external document when applicable. The external document should be elaborated by the each port when justified.

However all stakeholders should have the following in mind. The local specifications are complementary to this document, they are used to document current implementations, and should not be a justification for new or updated implementations avoid the full adoption of this document.

<u>Page</u>	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
<u>No.</u>	<u>No.</u>	<u>ID</u>						
5	00010	UNH	Message Header	M	M	1		
7	00020	BGM	Beginning of Message	M	M	1		
9	00030	DTM	Date/Time/Period	C	R	1		
	00060		Segment Group 1: DOC-DTM	C	O		1	
11	00070	DOC	Document/Message Details	M	M	1		
13	00080	DTM	Date/Time/Period	C	O	1		
	00090		Segment Group 2: RFF-DTM	C	R		1	
15	00100	RFF	Reference	M	M	1		
16	00110	DTM	Date/Time/Period	C	O	1		
	00120		Segment Group 3: NAD-CTA-COM	C	R		9	
18	00130	NAD	Name and Address	M	M	1		
21	00140	CTA	Contact Information	C	O	1		
22	00150	COM	Communication Contact	C	O	4		
	00160		Segment Group 4: ERC-FTX-SG5	C	R		99999	
24	00170	ERC	Application Error Information	M	M	1		
25	00180	FTX	Free Text	C	O	1		
	00190		Segment Group 5: RFF	C	O		2	
28	00200	RFF	Reference	M	M	1		
30	00220	UNT	Message Trailer	M	M	1		



Segment: **UNH** Message Header
Position: 00010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment starting and uniquely identifying a message. The message type code for the Application error and acknowledgement message is APERAK.
Note: Application error and acknowledgement messages conforming to this document must contain the following data in segment UNH, composite S009:
Data element 0065 APERAK 0052 D 0054 16A 0051
UN

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Example: Message envelope number "1357924680", type "APERAK", UN/Edifact directory "D16A"

UNH+1357924680+APERAK:D:16A:UN"

Data Element Summary

Data Element	Component Element	Name	Base Attributes		User Attributes
			M	1	an..14
0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.			M
S009		MESSAGE IDENTIFIER Identification of the type, version etc. of the message being interchanged.		M	1
	0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. APERAK Application error and acknowledgement message		M	an..6
	0052	Message type version number Version number of a message type. D Draft version/UN/EDIFACT Directory		M	an..3
	0054	Message type release number Release number within the current message type version number (0052). 16A Release 2016 - A		M	an..3
	0051	Controlling agency Code identifying the agency controlling the specification, maintenance and publication of the message type. UN UN/CEFACT		M	an..2
	0057	Association assigned code Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message. Usage complemented in local document if mentioned in that document.	C	an..6	O

0068	COMMON ACCESS REFERENCE	C	1	an..35	X
S010	STATUS OF THE TRANSFER	C	1		X
	Statement that the message is one in a sequence of transfers relating to the same topic.				
0070	Sequence message transfer number	M		n..2	X
	Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.				
0073	First/last sequence message transfer indication	C		a1	X
	Indication used for the first and last message in a sequence of the same type of message relating to the same topic.				

Segment:	BGM Beginning of Message
Position:	00020
Group:	
Level:	0
Usage:	Mandatory
Max Use:	1
Purpose:	A segment to indicate the type and function of the message and to transmit the identifying number.
Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	<p>Usage complemented in local document if mentioned in that document.</p> <p>Example: Response to a accepted discharge report. Message response AK75440947, original message.</p> <p>BGM+119+AK75440947+9+AP'</p>

Data Element Summary					
Data Element	Component Element	Name	Base Attributes	User Attributes	
C002		DOCUMENT/MESSAGE NAME	C 1	R	
		Identification of a type of document/message by code or name. Code preferred.			
	1001	Document name code	C	an..3	R
		Code specifying the document name.			
		Except for codes '962' and '963', the codes' usage follow ITGG recommendation JM4/502 described in ITIGG document reference JM4/ITIGG/129/v.13 of October 1997.			
		The codes applicable depend if SG1 (DOC) is used to provide the identification of the document/message that was validated. If this is the case, then only '962' and '963' are to be used in this element.			
		104 Transport equipment impending arrival advice			
		109 Transport movement gate in report			
		111 Transport movement gate out report			
		117 Transport equipment shift report			
		118 Transport discharge instruction			
		119 Transport discharge report			
		121 Transport loading instruction			
		122 Transport loading report			
		129 Transport cargo release order			
		132 Customs clearance notice			
		171 Pick-up notice			
		265 Transport equipment movement report			

	266	Transport equipment status change report		
	749	Transport equipment gross mass verification message		
	962	Document response (Customs)		
	963	Error response (Customs)		
C106	1131	Code list identification code	C	an..17
	3055	Code list responsible agency code	C	an..3
	1000	Document name	C	an..35
		DOCUMENT/MESSAGE IDENTIFICATION	C 1	R
		Identification of a document/message by its number and eventually its version or revision.		
	1004	Document identifier	C	an..70
		To identify a document.		
	1056	Version identifier	C	an..9
	1060	Revision identifier	C	an..6
1225		MESSAGE FUNCTION CODE	C 1 an..3	R
		Code indicating the function of the message.		
	9	Original		
4343		RESPONSE TYPE CODE	C 1 an..3	R
		Code specifying the type of acknowledgment required or transmitted.		
	AP	Accepted		
	CA	Conditionally accepted		
		Usage complemented in local document if mentioned in that document.		
	RE	Rejected		
1373		DOCUMENT STATUS CODE	C 1 an..3	X
3453		LANGUAGE NAME CODE	C 1 an..3	X

Segment:	DTM Date/Time/Period
Position:	00030
Group:	
Level:	0
Usage:	Conditional (Required)
Max Use:	1
Purpose:	A segment to specify related date/time.
Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	The usage of this segment is to provide the date/time at which the sender creates the message. In this case DE:2005 will be '137'. Example: Message issued on 2002/02/01 at 14:21 DTM+137:200202011421:203'

Data Element Summary

Data Component			Base Attributes	User Attributes
Element	Element	Name		
C507		DATE/TIME/PERIOD	M 1	M
		Date and/or time, or period relevant to the specified date/time/period type.		
2005		Date or time or period function code qualifier	M	an..3 M
		Code qualifying the function of a date, time or period.		
137		137 Document issue date time		
2380		Date or time or period text	C	an..35 R
		The value of a date, a date and time, a time or of a period in a specified representation.		
2379		Date or time or period format code	C	an..3 R
		Code specifying the representation of a date, time or period.		
203		203 CCYYMMDDHHMM		

Group:	DOC Segment Group 1: Document/Message Details
Position:	00060
Group:	
Level:	1
Usage:	Conditional (Optional)
Max Use:	1
Purpose:	A segment group to provide information on the document being acknowledged.
Notes:	Usage complemented in local document if mentioned in that document.

ITIGG recommendation does not refer the usage of group 1 having segment DOC as trigger. The reason is that the EDIFACT directory on which the recommendation was made (D.96B) does not have this group associated to segment DOC. Instead the group 1 has associated to segment RFF.

In the EDIFACT directory D.16A, group 1 is associated to segment DOC, and a group (identified by 2) associated to segment RFF was kept. However, according to the EDIFACT definition, the "new" group 2 kept the same definition of the "old" group 1. Considering that in the definition it is mentioned "document/message", it can be concluded that some overlapping exists between the purposes of groups 1 and 2 under directory D.16B.

In this MIG the adopted approach will be the following. Group 2 will be used to identify the message being acknowledged by this reply, in a one-to-one situation. Group 1 will be used to identify the document underlying the message identified in group 2. This approach provides extra data for matching messages sent and received, and the respective business documents, allowing a dialog process more robust and a business process more consistent.

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	00070	DOC	Document/Message Details	M	1	
O	00080	DTM	Date/Time/Period	C	1	

Segment:	DOC Document/Message Details
Position:	00070 (Trigger Segment)
Group:	Segment Group 1 (Document/Message Details) Conditional (Optional)
Level:	1
Usage:	Mandatory
Max Use:	1
Purpose:	A segment to provide the necessary identification information about the document being acknowledged.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Example: The document being acknowledged is a discharge report identified by "2018/02568"

DOC+118+2018/02568'

Data Element Summary

Data Element	Component	Name	Base Attributes	User Attributes
C002		DOCUMENT/MESSAGE NAME	M 1	M
		Identification of a type of document/message by code or name. Code preferred.		
1001		Document name code	C	an..3
		Code specifying the document name.		
		This element identifies the type of document being acknowledged.		
		The qualifier must be the value present in BGM:C002:1001 in the message being acknowledged.		
		104 Transport equipment impending arrival advice		
		109 Transport movement gate in report		
		111 Transport movement gate out report		
		117 Transport equipment shift report		
		118 Transport discharge instruction		
		119 Transport discharge report		
		121 Transport loading instruction		
		122 Transport loading report		
		129 Transport cargo release order		
		132 Customs clearance notice		
		171 Pick-up notice		
		265 Transport equipment movement report		
		266 Transport equipment status change report		
		749 Transport equipment gross mass verification message		
		962 Document response (Customs)		
1131		Code list identification code	C	an..17
				X

	3055	Code list responsible agency code	C	an..3	X
	1000	Document name	C	an..35	X
C503		DOCUMENT/MESSAGE DETAILS	C	1	R
		Identification of document/message by number, status, source and/or language.			
	1004	Document identifier	C	an..70	R
		To identify a document.			
	1373	Document status code	C	an..3	X
	1366	Document source description	C	an..70	X
	3453	Language name code	C	an..3	X
	1056	Version identifier	C	an..9	X
	1060	Revision identifier	C	an..6	X
3153		COMMUNICATION MEDIUM TYPE CODE	C	1 an..3	X
1220		DOCUMENT COPIES REQUIRED QUANTITY	C	1 n..2	X
1218		DOCUMENT ORIGINALS REQUIRED QUANTITY	C	1 n..2	X

Segment: **DTM** Date/Time/Period
Position: 00080
Group: Segment Group 1 (Document/Message Details) Conditional (Optional)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to provide the relevant dates concerning the document being acknowledged.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Usage complemented in local document if mentioned in that document.

The complete meaning of this date depends on the type of reference in the previous RFF segment, stated in DOC:C503:1004 data element.

Example: Date/time of the reference: "2003/10/08 - 10:15"

DTM+171:200310081015:203'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
C507		DATE/TIME/PERIOD	M 1	M
		Date and/or time, or period relevant to the specified date/time/period type.		
2005		Date or time or period function code qualifier	M	an..3 M
		Code qualifying the function of a date, time or period.		
	171	Reference date/time		
2380		Date or time or period text	C	an..35 R
		The value of a date, a date and time, a time or of a period in a specified representation.		
2379		Date or time or period format code	C	an..3 R
		Code specifying the representation of a date, time or period.		
	203	CCYYMMDDHHMM		

Group:	RFF Segment Group 2: Reference					
Position:	00090					
Group:						
Level:	1					
Usage:	Conditional (Required)					
Max Use:	1					
Purpose:	A group of segments to specify the document/message to which the current message relates, and related date and time.					
Notes:	See notes in group 1.					
This group allows the identification of the message being acknowledged.						
Although not considered in ITIGG recommendation, the usage of SG2:DTM provides extra data for the matching between messages.						

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	00100	RFF	Reference	M	1	
O	00110	DTM	Date/Time/Period	C	1	

Segment: **RFF Reference**

Position: 00100 (Trigger Segment)

Group: Segment Group 2 (Reference) Conditional (Required)

Level: 1

Usage: Mandatory

Max Use: 1

Purpose: A segment to indicate the reference number of the document/message.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Example: Message being acknowledge is GI50938803

RFF+ACW:GI50938803'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
C506		REFERENCE	M 1	M
		Identification of a reference.		
1153		Reference code qualifier	M	an..3 M
		Code qualifying a reference.		
		ACW	Reference number to previous message	
1154		Reference identifier	C	an..70 R
		Identifies a reference.		
		Usage complemented in local document if mentioned in that document.		
1156		Document line identifier	C	an..6 X
1056		Version identifier	C	an..9 X
1060		Revision identifier	C	an..6 X

Segment: **DTM** Date/Time/Period
Position: 00110
Group: Segment Group 2 (Reference) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to specify the date and time of the referenced document/message.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Usage complemented in local document if mentioned in that document.

The complete meaning of this date depends of the type of reference in the previous RFF segment, stated in RFF:C506:1153 data element.

Example: Date/time of the reference: "2003/10/08 - 10:15"

DTM+171:200310081015:203'

Data Element Summary

Data Component			Base Attributes	User Attributes
Element	Element	Name		
C507		DATE/TIME/PERIOD	M 1	M
		Date and/or time, or period relevant to the specified date/time/period type.		
2005		Date or time or period function code qualifier	M	an..3 M
		Code qualifying the function of a date, time or period.		
	171	Reference date/time		
2380		Date or time or period text	C	an..35 R
		The value of a date, a date and time, a time or of a period in a specified representation.		
2379		Date or time or period format code	C	an..3 R
		Code specifying the representation of a date, time or period.		
	203	CCYYMMDDHHMM		

Group:	NAD Segment Group 3: Name and Address		
Position:	00120		
Group:			
Level:	1		
Usage:	Conditional (Required)		
Max Use:	9		
Purpose:	A group of segments to specify the identifications of message sender and message receiver with their contacts and communication channels.		
Notes:	This group allows the identification of the several parties mentioned at header level in the message being acknowledge. Not all types of parties exist in a single message.		
At least the message receiver and the message sender must be present. However with exchanged roles. So in this message the sender is the receiver of the message being acknowledge, and the receiver in this message is the sender of the message being acknowledge.			

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	00130	NAD	Name and Address	M	1	
O	00140	CTA	Contact Information	C	1	
O	00150	COM	Communication Contact	C	4	

Segment:	NAD Name and Address		
Position:	00130 (Trigger Segment)		
Group:	Segment Group 3 (Name and Address)	Conditional (Required)	
Level:	1		
Usage:	Mandatory		
Max Use:	1		
Purpose:	A segment to specify the identification of the message issuer and message receiver.		
Dependency Notes:			
Semantic Notes:			
Comments:			
Notes:	Usage complemented in local document if mentioned in that document. The entities are to be identified by their EORI. In Portugal the EORI id is composed by PT+[VAT number]. Example: Terminal operator identified by PT541495122. NAD+TR+PT541495122' Example: Message sender identified by PT501449752. NAD+MS+PT501449752'		

Data Element Summary

Data Component <u>Element</u>	Component <u>Element</u>	Name	Base	User
			<u>Attributes</u>	<u>Attributes</u>
3035		PARTY FUNCTION CODE QUALIFIER	M 1 an..3	M
		Code giving specific meaning to a party.		
	AG	Agent		
	CA	Carrier		
	CF	Container operator/lessee		
	CG	Carrier's agent		
	CM	Customs		
	CN	Consignee		
	CZ	Consignor		
	DEI	Means of transport operator		
	EX	Exporter		
	FW	Freight forwarder		
	GA	Road carrier		
	GF	Slot charter party		
	GT	Rail carrier		
	HA	Party which delivers consignments to the terminal		
	HB	Party which picks up consignments from the terminal		
	HR	Shipping line service		

	IM	Importer			
	MR	Message recipient	An entity with this qualifer is required.		
	MS	Document/message issuer/sender	An entity with this qualifer is required.		
	SPC	SOLAS verified gross mass responsible party			
	TB	Submitter			
	TR	Terminal operator			
	WD	Warehouse depositor			
	WPA	Weighting party			
C082	PARTY IDENTIFICATION DETAILS		C 1		R
		Identification of a transaction party by code.			
3039	Party identifier		M	an..35	M
		Code specifying the identity of a party.			
		Number corresponding to EORI of the entity, or another code mutually agreed between the parties.			
1131	Code list identification code		C	an..17	O
		Code identifying a user or association maintained code list.			
		Usage complemented in local document if mentioned in that document.			
	160	Party identification			
	172	Carriers			
3055	Code list responsible agency code		C	an..3	X
C058	NAME AND ADDRESS		C 1		X
		Unstructured name and address: one to five lines.			
3124	Name and address description		M	an..35	X
		Free form description of a name and address line.			
3124	Name and address description		C	an..35	X
		Free form description of a name and address line.			
3124	Name and address description		C	an..35	X
		Free form description of a name and address line.			
3124	Name and address description		C	an..35	X
		Free form description of a name and address line.			
3124	Name and address description		C	an..35	X
		Free form description of a name and address line.			
C080	PARTY NAME		C 1		X
		Identification of a transaction party by name, one to five lines. Party name may be formatted.			
3036	Party name		M	an..70	X
		Name of a party.			
3036	Party name		C	an..70	X
		Name of a party.			

3036	Party name	C	an..70	X
	Name of a party.			
3036	Party name	C	an..70	X
	Name of a party.			
3036	Party name	C	an..70	X
	Name of a party.			
3045	Party name format code	C	an..3	X
	Code specifying the representation of a party name.			
C059	STREET	C 1		X
	Street address and/or PO Box number in a structured address; one to four lines.			
3042	Street and number or post office box identifier	M	an..35	X
	To identify a street and number and/or Post Office box number.			
3042	Street and number or post office box identifier	C	an..35	X
	To identify a street and number and/or Post Office box number.			
3042	Street and number or post office box identifier	C	an..35	X
	To identify a street and number and/or Post Office box number.			
3042	Street and number or post office box identifier	C	an..35	X
	To identify a street and number and/or Post Office box number.			
3164	CITY NAME	C 1	an..35	X
C819	COUNTRY SUBDIVISION DETAILS	C 1		X
	To specify a country subdivision, such as state, canton, county, prefecture.			
3229	Country subdivision identifier	C	an..9	X
	To identify a country subdivision, such as state, canton, county, prefecture.			
1131	Code list identification code	C	an..17	X
	Code identifying a user or association maintained code list.			
3055	Code list responsible agency code	C	an..3	X
	Code specifying the agency responsible for a code list.			
3228	Country subdivision name	C	an..70	X
	Name of a country subdivision, such as state, canton, county, prefecture.			
3251	POSTAL IDENTIFICATION CODE	C 1	an..17	X
3207	COUNTRY IDENTIFIER	C 1	an..3	X

Segment:	CTA Contact Information		
Position:	00140		
Group:	Segment Group 3 (Name and Address)	Conditional (Required)	
Level:	2		
Usage:	Conditional (Optional)		
Max Use:	1		
Purpose:	A segment to specify a person or department inside the party's organization, to which communication should be directed.		
Dependency Notes:			
Semantic Notes:			
Comments:			
Notes:	<p>Usage complemented in local document if mentioned in that document.</p> <p>Example: Contact Mr. Rui Silva.</p> <p>CTA+IC+:RUI SILVA'</p>		

Data Element Summary

Data <u>Element</u>	Component <u>Element</u>	Name	Base		User
			C	1	<u>Attributes</u>
3139		CONTACT FUNCTION CODE		an..3	R
Code specifying the function of a contact (e.g. department or person).					
		IC	Information contact		
C056		CONTACT DETAILS	C	1	R
Code and/or name of a contact such as a department or employee. Code preferred.					
3413		Contact identifier	C	an..17	X
3412		Contact name	C	an..256	R
Name of a contact, such as a department or employee.					

Segment: **COM** Communication Contact
Position: 00150
Group: Segment Group 3 (Name and Address) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 4
Purpose: A segment to indicate communication channel type and number inside the party's organization, to which communication should be directed.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Usage complemented in local document if mentioned in that document.

Example: Contact by phone number 229390700.

COM+229390700:TE'

Example: Contact by email jose.silva@mybusiness.com

COM+JOSE.SILVA(A)MYBUSINESS.COM:EM'

Data Element Summary

Data Element	Component	Name	Base Attributes	User Attributes
C076		COMMUNICATION CONTACT	M 1	M
		Communication number of a department or employee in a specified channel.		
3148		Communication address identifier	M	an..512 M
		To identify a communication address.		
3155		Communication means type code	M	an..3 M
		Code specifying the type of communication address.		
		AL Cellular phone		
		EM Electronic mail		
		FX Telefax		
		TE Telephone		

Group:	ERC Segment Group 4: Application Error Information		
Position:	00160		
Group:			
Level:	1		
Usage:	Conditional (Required)		
Max Use:	99999		
Purpose:	A group of segments to identify the application error(s) within a specified received message and to give specific details related to the error type or to precise the type of acknowledgement.		
Notes:	Usage complemented in local document if mentioned in that document.		
<p>Group's usage follows the recommendation JM4/513 of ITIGG in document JM4/ITIGG/129/v.13 of October 1997.</p> <p>This group is to provide feedback on the result of the validation and integration of the previously received message. The possible classes of reported situations are: no error, warning, and error.</p> <p>Except otherwise stated, the operation of this group follows the principle of providing the most possible feedback, avoiding reporting errors related with previously reported errors during the same interaction.</p> <p>In practical terms this is illustrated in the following example.</p> <p>Let us assume that this message is reporting the validation of discharge list reporting 10 containers, and all containers pass the validation except the 4th. In this situation 11 occurrences of SG4 (ERC) will occur. The first is to report that the received message header is correct. The following occurrences will report 9 correct situations and 1 incorrect situation. Depending on the message received, data will be used to facilitate the matching between the reported correct/incorrect situation, and received message.</p> <p>Now, let us assume that there are two validations related with UN/Locode for the port of loading. One is to check if the locode is present in the message. The other to check if the locode exists in the database (i.e. it is valid). In the example above, the problem with the 4th container is that the segment with the qualifier for the port of loading is present, but the element is empty. So, the validation for the value missing will be triggered. But it is useless to verify if the locode is valid. So the validation process will stop for this container and proceed to the next.</p>			

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	No.	ID	Name	Des.	Use	Repeat
M	00170	ERC	Application Error Information	M	1	
O	00180	FTX	Free Text	C	1	
	00190		Segment Group 5: Reference	C		2

Segment:	ERC Application Error Information		
Position:	00170 (Trigger Segment)		
Group:	Segment Group 4 (Application Error Information)	Conditional (Required)	
Level:	1		
Usage:	Mandatory		
Max Use:	1		
Purpose:	A segment identifying the type of application error or acknowledgement within the referenced message. In case of an error, the error code may specify the error in detail (e.g. a measurement relating to a piece of equipment is wrong) or as a rough indication (e.g. a measurement is wrong).		
Dependency Notes:			
Semantic Notes:			
Comments:			
Notes:	Example: error code being reported: EQP01012. ERC+EQP01012'		

Data Element Summary					
Data <u>Element</u>	Component <u>Element</u>	Name	Base <u>Attributes</u>	User <u>Attributes</u>	
C901		APPLICATION ERROR DETAIL	M 1	M	
		Code assigned by the recipient of a message to indicate a data validation error condition.			
9321		Application error code	M	an..8	M
		Code specifying an application error.			
		Usage complemented in local document if mentioned in that document.			
		Warning/Error/Sucess code being reported.			
1131		Code list identification code	C	an..17	X
3055		Code list responsible agency code	C	an..3	X

Segment: **FTX** Free Text
Position: 00180
Group: Segment Group 4 (Application Error Information) Conditional (Required)
Level: 2
Usage: Conditional (Optional)
Max Use: 1
Purpose: A segment to provide explanation and/or supplementary information related to the specified application error or acknowledgement. For example, the explanation may provide exact details relating to a generic error code.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Usage complemented in local document if mentioned in that document.

Example: Description of code error reporting port location code unknown.

FTX+AAO+++LOCODE UNKNOWN'

Data Element Summary

Data Element	Component Element	Name	Base Attributes			User Attributes	
			M	1	an..3	M	X
4451		TEXT SUBJECT CODE QUALIFIER Code qualifying the subject of the text.					
		AAO Error description (free text)					
4453		FREE TEXT FUNCTION CODE	C	1	an..3		X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C	1			X
4441		Free text description code Code specifying free form text.	M		an..17		X
1131		Code list identification code Code identifying a user or association maintained code list.	C		an..17		X
3055		Code list responsible agency code Code specifying the agency responsible for a code list.	C		an..3		X
C108		TEXT LITERAL Free text; one to five lines.	C	1			R
		Usage complemented in local document if mentioned in that document.					
4440		Free text Free form text.	M		an..512		M
4440		Free text Free form text.	C		an..512		O
4440		Free text Free form text.	C		an..512		O

4440	Free text	C	an..512	O	
	Free form text.				
4440	Free text	C	an..512	O	
	Free form text.				
3453	LANGUAGE NAME CODE	C	1	an..3	X
4447	FREE TEXT FORMAT CODE	C	1	an..3	X

Group:	RFF Segment Group 5: Reference		
Position:	00190		
Group:	Segment Group 4 (Application Error Information)	Conditional (Required)	
Level:	2		
Usage:	Conditional (Optional)		
Max Use:	2		
Purpose:	A group of segments to specify the functional entity reference (e.g. goods item level, equipment level) relating to the specified error; further details can be added to identify the error more precisely.		
Notes:	Usage complemented in local document if mentioned in that document. In practise this segment group will point to key references in the received message, in order to allow an easier location of the problem. A key reference is understood as an identification of an item that somehow encapsulates several items of information of a message. Example one, a container's prefix and number is a key reference to all the EQD's group segment, whatever the message is. Example two, the error is related with a general cargo shipment. In the JUL context, such item is identified by the transport document (usually a BL) and a shipment number. In this case, two occurrences of this group must exist, except if only the transport document id is known, where only one occurrence is possible. Example three, similar to example two, but only part of a shipment was reported. This situations may happen when reporting the port exit of a general cargo shipment that needs more than one truck to be moved. In this case, complementary to the elements mentioned in example two, the message being replied identifies by itself this part of the shipment.		

Segment Summary

Pos.	Seg.	Req.	Max.	Group:
No.	ID	Des.	Use	Repeat
M	00200 RFF	Reference	M	1

Segment:	RFF Reference
Position:	00200 (Trigger Segment)
Group:	Segment Group 5 (Reference) Conditional (Optional)
Level:	2
Usage:	Mandatory
Max Use:	1
Purpose:	A segment to provide a reference relating to the acknowledgement type or the specified error (e.g. functional entity reference such as equipment level).
Dependency Notes:	
Semantic Notes:	
Comments:	
Notes:	<p>Example: message item related with the error code is container AWSU 123456 7.</p> <p>RFF+AAQ:ASWU1234567'</p> <p>Example: message item related with the error code is general cargo shipment 0023 of Bill of Lading XPTO9876.</p> <p>RFF+BM+XPTO9876'</p> <p>RRF+UCN-+0023'</p>

Data Element Summary					
Data Element	Component	Name	Base Attributes	User Attributes	
C506		REFERENCE	M 1		M
		Identification of a reference.			
1153		Reference code qualifier	M	an..3	M
		Code qualifying a reference.			
	AAQ	Transport equipment identifier			
		Use this qualifer when the error is related with transport equipment (e.g. container).			
	APG	General purpose message reference number			
		Use this qualifer when the error is related with the header of the message or affects the whole message.			
	AVL	Consignment information			
		Use this qualifer when the error is related with consigments.			
	AVM	Goods item information			
		Use this qualifer when the error is related with a goods mentioned in consigments.			
	AVP	Person registration number			
		Use this qualifer when the error is related with a person.			
	BM	Bill of lading number			
		Use this qualifer when the error is related with a general cargo shipment.			
	UCN	Unique consignment reference number			

Use this qualifer when the error is related with a general cargo shipment and a unique reference number was reported.

1154	Reference identifier	C	an..70	R
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Identifies a reference.

Usage complemented in local document if mentioned in that document.

Key reference to the item or set of data being acknowledge.

1156	Document line identifier	C	an..6	X
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1056	Version identifier	C	an..9	X
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1060	Revision identifier	C	an..6	X
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Segment: **UNT** Message Trailer
Position: 00220
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: A service segment ending a message, giving the total number of segments in the message (including the UNH & UNT) and the control reference number of the message.

Dependency Notes:**Semantic Notes:****Comments:**

Notes: Example: 26 sent segments, message envelope reference "1357924680"

UNT+26+1357924680'

Data Element Summary

Data Element	Component Element	Name	Base Attributes	User Attributes
0074		NUMBER OF SEGMENTS IN A MESSAGE Control count of number of segments in a message.	M 1 n..6	M
0062		MESSAGE REFERENCE NUMBER Unique message reference assigned by the sender.	M 1 an..14	M