

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:

Based on UN/EDIFACT Draft Messages and Directories Version D.98B - publ. Jan. 2000

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Group Repeat	Notes and Comments
3	0010	UNH	Message Header	M	M	1		
4	0020	BGM	Beginning of Message	M	M	1		
5	0030	DTM	Date/Time/Period - 137	C	R	1		
	0090		Segment Group 1: RFF	M	M		1	
7	0100	RFF	Reference - ACW	M	M	1		
	0120		Segment Group 2: NAD	M	M		1	
9	0130	NAD	Name and Address - MS	M	M	1		
	0120		Segment Group 2: NAD	C	R		1	
12	0130	NAD	Name and Address - MR	M	M	1		
	0160		Segment Group 3: ERC-FTX-SG4	C	Used		99999	
15	0170	ERC	Application Error Information	M	M	1		
17	0180	FTX	Free Text - Error Description - AAO	C	R	1		
	0190		Segment Group 4: RFF	C	D		1	
19	0200	RFF	Reference - CNI/GID	M	M	1		
20	0220	UNT	Message Trailer	M	M	1		

Segment: **UNH** Message Header
Position: 0010
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 00B
 0051 UN

Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary					
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>	
0062		MESSAGE REFERENCE NUMBER	M 1 an..14	M	an..35
		Unique message reference assigned by the sender.			
		Reference of message being replied to (same as in RFF-ACW)			
S009		MESSAGE IDENTIFIER	M 1	M	
		Identification of the type, version etc. of the message being interchanged.			
	0065	Message type identifier	M an..6	M	
		Code identifying a type of message and assigned by its controlling agency.			
		APERAK Application error and acknowledgement message			
	0052	Message type version number	M an..3	M	
		Version number of a message type.			
		D Draft version/UN/EDIFACT Directory			
	0054	Message type release number	M an..3	M	
		Release number within the current message type version number (0052).			
		98B Release 1998 - B			
	0051	Controlling agency	M an..2	M	
		Code identifying the agency controlling the specification, maintenance and publication of the message type.			
		UN UN/CEFACT			
	0057	Association assigned code	C an..6	R	
		Code, assigned by the association responsible for the design and maintenance of the message type concerned, which further identifies the message.			
		PROT10 PROTECT Version 1.0			
0068		COMMON ACCESS REFERENCE	C 1 an..35	X	
		Reference serving as a key to relate all subsequent transfers of data to the same business case or file.			
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: 0020
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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
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.		
		DGN Message type IFTDGN, International Forwarding and Transport Dangerous Goods Notification		
	1131	Code list identification code	C an..17	X
		Code identifying a code list.		
	3055	Code list responsible agency code	C an..3	X
		Code specifying the agency responsible for a code list.		
	1000	Document name	C an..35	X
C106		Name of a document.		
		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..35	R
		To identify a document.		
		Unique message reference number generated by the PCS		
	1056	Version identifier	O an..9	X
		To identify a version.		
	1060	Revision identifier	C an..6	X
		To identify a revision.		
	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.		
		Business Rules:		
		Variable Name:MessageAcceptanceCode		
		AQ Accepted for Processing		
		RP Rejected for Processing		

Segment: **DTM** Date/Time/Period - 137
Position: 0030
Group:
Level: 0
Usage: Conditional (Required)
Max Use: 1
Purpose: A segment to specify related date/time.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary					
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>		<u>User Attributes</u>
C507		DATE/TIME/PERIOD - 137	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 Document/message date/time			
	2380	Date or time or period value	C	an..35	R an..12
		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 1: Reference - ACW
Position: 0090
Group:
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A group of segments to specify the document/message to which the current message relates, and related date and time.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0100	RFF	Reference - ACW	M	1	

Segment: **RFF** Reference - ACW
Position: 0100 (Trigger Segment)
Group: Segment Group 1 (Reference - ACW) Mandatory
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A segment to indicate the reference number of the document/message.
Dependency Notes:
Semantic Notes:
Comments:

Data Element Summary					
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>		<u>User Attributes</u>
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 an..35
		Identifies a reference.			
		Message reference being replied to			
	1156	Document line identifier	C	an..6	X
		To identify a line of a document.			
	4000	Reference version identifier	C	an..35	X
		To identify the version of a reference.			
	1060	Revision identifier	C	an..6	X
		To identify a revision.			

Group: **NAD** Segment Group 2: Name and Address - MS
Position: 0120
Group:
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: A group of segments to specify the identifications of message sender and message receiver with their contacts and communication channels.

Segment Summary						
	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0130	NAD	Name and Address - MS	M	1	

Segment: **NAD** Name and Address - MS
Position: 0130 (Trigger Segment)
Group: Segment Group 2 (Name and Address - MS) Mandatory
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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY QUALIFIER Code giving specific meaning to a party.	M 1 an..3	M
	MS	Document/message issuer/sender		
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1	O
	3039	Party identifier Code specifying the identity of a party.	M an..35	M
	1131	Code list identification code Code identifying a 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
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	R
	3124	Name and address description Free form description of a name and address line.	M an..35	M
		Default value: PORTBASE		
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C 1	X
	3036	Party name Name of a party.	M an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3045	Party name format code Code specifying the representation of a party name.	C an..3	X
C059		STREET Street address and/or PO Box number in a structured address: one to four lines.	C 1	X

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
	Name of a city.			
3229	COUNTRY SUB-ENTITY NAME CODE	C	1 an..9	X
	Code specifying the name of a country sub-entity.			
3251	POSTCODE IDENTIFICATION	C	1 an..17	X
	Code specifying the postal zone or address.			
3207	COUNTRY, CODED	C	1 an..3	X
	Identification of the name of the country or other geographical entity as specified in ISO 3166.			

Group: **NAD** Segment Group 2: Name and Address - MR
Position: 0120
Group:
Level: 1
Usage: Conditional (Required)
Max Use: 1
Purpose: A group of segments to specify the identifications of message sender and message receiver with their contacts and communication channels.

Segment Summary						
	<u>Pos.</u>	<u>Seg.</u>	<u>Name</u>	<u>Req.</u>	<u>Max.</u>	<u>Group:</u>
	<u>No.</u>	<u>ID</u>		<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
M	0130	NAD	Name and Address - MR	M	1	

Segment: **NAD** Name and Address - MR
Position: 0130 (Trigger Segment)
Group: Segment Group 2 (Name and Address - MR) 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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
3035		PARTY FUNCTION CODE QUALIFIER Code giving specific meaning to a party.	M 1 an..3	M
		MR Message recipient		
C082		PARTY IDENTIFICATION DETAILS Identification of a transaction party by code.	C 1	R
	3039	Party identifier Code specifying the identity of a party.	M an..35	M
	1131	Code list identification code Code identifying a 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
C058		NAME AND ADDRESS Unstructured name and address: one to five lines.	C 1	X
	3124	Name and address description Free form description of a name and address line.	M an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
	3124	Name and address description Free form description of a name and address line.	C an..35	X
C080		PARTY NAME Identification of a transaction party by name, one to five lines. Party name may be formatted.	C 1	X
	3036	Party name Name of a party.	M an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3036	Party name Name of a party.	C an..35	X
	3045	Party name format code Code specifying the representation of a party name.	C an..3	X
C059		STREET Street address and/or PO Box number in a structured address: one to four lines.	C 1	X
	3042	Street and number or post office box identifier To identify a street and number and/or Post Office box number.	M an..35	X

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
	Name of a city.			
3229	COUNTRY SUB-ENTITY NAME CODE	C	1 an..9	X
	Code specifying the name of a country sub-entity.			
3251	POSTCODE IDENTIFICATION	C	1 an..17	X
	Code specifying the postal zone or address.			
3207	COUNTRY, CODED	C	1 an..3	X
	Identification of the name of the country or other geographical entity as specified in ISO 3166.			

Group: **ERC** Segment Group 3: Application Error Information
Position: 0160
Group:
Level: 1
Usage: Conditional (Optional)
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.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0170	ERC	Application Error Information	M	1	
R	0180	FTX	Free Text - Error Description - AAO	C	1	
	0190		Segment Group 4: Reference - CNI/GID	C		1

Segment: **ERC** **Application Error Information**
Position: 0170 (Trigger Segment)
Group: Segment Group 3 (Application Error Information) Conditional (Optional)
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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
C901		APPLICATION ERROR DETAIL	M 1	M
	9321	Code assigned by the recipient of a message to indicate a data validation error condition.		
		Application error code	O an..8	D
		Code specifying an application error.		
		Business Rules:		
		1. If MessageAcceptanceCode EQ 'AQ', then set Usage to 'Not Used'		
		112 Duplicate message		
		132 Message recipient ID invalid		
		136 Carrier agent ID invalid		
		143 Message sender ID invalid		
		228 Type of package not indicated or invalid		
		253 Goods gross weight invalid or not indicated, incl. unit of measure invalid or not indicated		
		261 Goods nett weight invalid or not indicated, incl. unit of measure invalid or not indicated		
		265 Goods nett explosive weight invalid or not indicated, incl. unit of measure invalid or not indicated		
		382 Date/Time of Message invalid		
		426 Number of packages not indicated		
		563 UN/LOCODE Port of call invalid		
		630 Vessel's call canceled		
		C49 Message name , coded, is not in accordance with previous provided message name		
		C50 Unknown Vessel identification		
		C51 Unknown or invalid Call Reference number		
		C52 Place of handling not in accordance with Port of Call		
		C53 Port of Loading not in accordance with vessel voyage		
		C54 Port of Discharge not in accordance with vessel voyage		
		C58 Fumigation date not indicated or invalid		
		C59 Name of Fumigant not valid		
		C60 Amount of Fumigant not valid		
		C61 Fumigant unit of measurement not valid		
		C62 Fumigation gas measuring equipment not indicated or invalid		
		C63 Radioactive category of packages not valid		
		C64 Description of physical form of the radioactive material is invalid		
		C65 Container size type invalid		
		C66 Radioactive index of transport invalid or not indicated, incl. unit of measure invalid or not indicated		
		C67 Radioactivity invalid or not indicated, incl. unit of measure invalid or not indicated		

	C68	Radioactive criticality safety index invalid or not indicated, incl. unit of measure invalid or not indicated			
	C69	Radioactive information present, Hazard code Identification invalid			
	C70	Radioactive information not indicated			
	C71	Fumigation information present, UNDG code invalid or not indicated			
	C72	Fumigation information not indicated			
	C73	Invalid previous message reference; The message has been cancelled			
	C97	Combination of UNDG Number, Packing group and Hazard Code Identification not known			
1131	Code list identification code		C	an..17	X
	Code identifying a code list.				
3055	Code list responsible agency code		C	an..3	X
	Code specifying the agency responsible for a code list.				

Segment: **FTX** Free Text - Error Description - AAO
Position: 0180
Group: Segment Group 3 (Application Error Information) Conditional (Optional)
Level: 2
Usage: Conditional (Required)
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:

Data Element Summary				
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
4451		TEXT SUBJECT CODE QUALIFIER Code qualifying the subject of the text. AAO Error description (free text)	M 1 an..3	M
4453		FREE TEXT FUNCTION CODE Code specifying the function of free text.	C 1 an..3	X
C107		TEXT REFERENCE Coded reference to a standard text and its source.	C 1	X
	4441	Free text value code Code specifying free form text.	M an..17	X
	1131	Code list identification code Code identifying a 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
	4440	Free text value Free form text.	M an..512	M
	4440	Free text value Free form text.	C an..512	O
	4440	Free text value Free form text.	C an..512	O
	4440	Free text value Free form text.	C an..512	O
	4440	Free text value Free form text.	C an..512	O
3453		LANGUAGE NAME CODE Code specifying the language name.	C 1 an..3	X
4447		FREE TEXT FORMAT CODE Code specifying the format of free text.	C 1 an..3	X

Group: **RFF** Segment Group 4: Reference - CNI/GID
Position: 0190
Group: Segment Group 3 (Application Error Information) Conditional (Optional)
Level: 2
Usage: Conditional (Dependent)
Max Use: 1
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.

Segment Summary						
	<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.</u> <u>Use</u>	<u>Group:</u> <u>Repeat</u>
M	0200	RFF	Reference - CNI/GID	M	1	

Segment: **RFF** Reference - CNI/GID
Position: 0200 (Trigger Segment)
Group: Segment Group 4 (Reference - CNI/GID) Conditional (Dependent)
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:

Data Element Summary					
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>		<u>User Attributes</u>
C506		REFERENCE	M	1	M
		Identification of a reference.			
	1153	Reference code qualifier	M	an..3	M
		Code qualifying a reference.			
		CNI Consignment information			
		GID Goods item number			
	1154	Reference identifier	C	an..70	R an..35
		Identifies a reference.			
	1156	Document line identifier	C	an..6	X
		To identify a line of a document.			
	4000	Reference version identifier	C	an..35	X
		To identify the version of a reference.			
	1060	Revision identifier	C	an..6	X
		To identify a revision.			

Segment: **UNT** Message Trailer
Position: 0220
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:

Data Element Summary					
<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Base Attributes</u>		<u>User Attributes</u>
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. Same as in UNH,0062. Message reference being replied to	M	1 an..14	M an..35