

**UN/EDIFACT**  
**APPLICATION ERROR AND ACKNOWLEDGEMENT MESSAGE**  
**IMPLEMENTATION GUIDE**  
**APERAK D96B**

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## 0. INTRODUCTION

This specification provides the definition of the Application error and acknowledgement message (APERAK) to be used in Electronic Data Interchange (EDI) between trading partners involved in administration, commerce and transport.

## 1. SCOPE

### 1.1 Functional Definition

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.

### 1.2 Field of Application

The Application error and acknowledgement message may be used for both national and international trade. It is based on universal commercial practice and is not dependent on the type of business or industry.

## 2. REFERENCES

See UNTDID, Part 4, Chapter 2.6 UN/ECE UNSM – General Introduction, Section 1.

## 3. TERMS AND DEFINITIONS

See UNTDID, Part 4, Chapter 2.6 UN/ECE UNSM – General Introduction, Section 2.

## 4. MESSAGE DEFINITION

### 4.1 Data Segment Clarification

This section should be read in conjunction with the Branching Diagram and the Segment Table which indicate mandatory, conditional and repeating requirements.

## 0010 UNH, Message header

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:*

M	0062 MESSAGE REFERENCE NUMBER	M an..14
R	<i>Message Reference Number to previous Inbound message</i>	
M	S009 MESSAGE IDENTIFIER	M
M	0065 Message Type Identifier	M an..6
R	<i>APERAK</i>	
M	0052 Message Type Version Number	M an..3
	<i>D</i>	
M	0054 Message Type Release Number	M an..3
R	<i>96B</i>	
M	0051 Controlling Agency	M an..2
R	<i>UN</i>	
R	0057 Association Assigned Code	C an..6
R	<i>INT10 (ITIGG Version 1.0)</i>	

## 0020 BGM, Beginning of message

A segment to indicate the type and function of the message and to transmit the identifying number.

Data element:

R	<b>C002</b> DOCUMENT/MESSAGE NAME	C
R	<b>1001</b> Document/message name, coded	
D	11	
X	1131 Code list qualifier	C an..3
X	3055 Code list responsible agency, coded	C an..3
X	1000 Document/message name	C an..35
R	<b>1004</b> DOCUMENT/MESSAGE NUMBER	C an..35
R	<i>Sender's Unique Internal Reference Number of Inbound file that APERAK is Acknowledging</i>	
R	<b>1225</b> MESSAGE FUNCTION, CODED	C an..3
D	9 <i>Original (whole new message)</i>	
O	<b>4343</b> RESPONSE TYPE, CODED	C an..3
R	<i>AP Approved</i>	
	<i>RE Rejected</i>	

## 0030 DTM, Date/time/period

A segment to specify related date/time.

Data element:

M	<b>C507</b> DATE/TIME/PERIOD	M
M	<b>2005</b> Date/time/period qualifier	M an..3
D	<i>137 Date/Time Inbound message was processed</i>	

## 0040 FTX, Free text

A segment to specify free form or processable supplementary information related to the whole message. In computer-to-computer exchanges free form text will normally require the receiver to process this segment manually.

Data element:

X	Not Used
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## 0050 CNT, Control total

A segment to provide message control totals.

Data element:

X	Not Used
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## 0060 Segment group 1: RFF-DTM

A group of segments to specify the document/message to which the current message relates, and related date and time.

### 0070 RFF, Reference

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

*Data element:*

M	<b>C506</b> REFERENCE	M
M	<b>1153</b> Reference qualifier	M an..3
R	<i>ACW Reference number to previous message</i>	
D	<i>[CAO] Vessel Name</i>	

### 0080 DTM, Date/time/period

A segment to specify the date and time of the referenced document/message.

*Data element:*

X	Not Used
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## 0090 Segment group 2: NAD-CTA-COM

A group of segments to specify the identifications of message sender and message receiver with their contacts and communication channels.

### 0100 NAD, Name and address

A segment to specify the identification of the message issuer and message receiver.

*Data element:*

M	3035 PARTY QUALIFIER	M an..3
D	[SLS] Shipping line service	
D	MS Message Sender	
D	MR Message Recipient	
D	C082 PARTY IDENTIFICATION DETAILS	C
M	3039 Party id. Identification	M an..35
R	Company Code	

### 0110 CTA, Contact information

A segment to specify a person or department inside the party's organization, to which communication should be directed.

*Data element:*

X	Not Used
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### 0120 COM, Communication contact

A segment to indicate communication channel type and number inside the party's organization, to which communication should be directed.

*Data element:*

X	Not Used
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## 0130 Segment group 3: ERC-FTX-SG4

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.

### 0140 ERC, Application error information

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).

*Data element:*

M	C901 APPLICATION ERROR DETAIL	M an..35
D	<i>Application error identification</i>	

### 0150 FTX, Free text

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.

*Data element:*

M	4451 TEXT SUBJECT QUALIFIER	M an..3
D	<i>AAO Error Description</i>	
D	<i>AAI General Information (Vessel Details e.g. "FTX+AAI+GEM")</i>	

## 0160 Segment group 4: RFF-FTX

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.

### 0170 RFF, Reference

A segment to provide a reference relating to the acknowledgement type or the specified error (e.g. functional entity reference such as equipment level).

*Data element:*

R	C506 REFERENCE	M
R	1153 Reference qualifier	M an..3
D	CN Carrier's Reference Number (Container Number) BN (Booking Number)	

### 0180 FTX, Free text

A segment to provide additional details relating to the reference, e.g. the content of the wrong data (and its exact place in the message).

*Data element:*

Not Used	
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## 0190 UNT, Message trailer

A service segment ending a message, giving the total number of segments in the message and the control reference number of the message.

*Data element:*

M	<b>0074</b> NUMBER OF SEGMENTS IN A MESSAGE	M n..6
R	<i>Number of segments in the message including UNH and UNT.</i>	
M	<b>0062</b> MESSAGE REFERENCE NUMBER	M an..14
R	<i>Same reference as in 0062 in UNH.</i>	

#### 4.2 Data segment index (Alphabetical sequence by tag)

BGM Beginning of message  
 CNT Control total  
 COM Communication contact  
 CTA Contact information  
 DTM Date/time/period  
 ERC Application error information  
 FTX Free text  
 NAD Name and address  
 RFF Reference  
 UNH Message header  
 UNT Message trailer

#### 4.3 Message structure

##### 4.3.1 Segment table

Pos	Tag Name	S	R
0010	UNH Message header	M	1
0020	BGM Beginning of message	M	1
0030	DTM Date/time/period	C	9
0040	FTX Free text	C	9
0050	CNT Control total	C	9
<b>0060</b>	<b>Segment group</b>	C	9
0070	RFF Reference	M	1
0080	DTM Date/time/period	C	9
<b>0090</b>	<b>Segment group 2</b>	C	9
0100	NAD Name and address	M	1
0110	CTA Contact information	C	9
0120	COM Communication contact	C	9
<b>0130</b>	<b>Segment group 3</b>	C	99999
0140	ERC Application error detail	M	1
0150	FTX Free text	C	1
0160	Segment group 4	C	1
0170	RFF Reference	M	1
0180	FTX Free text	C	9
0190	UNT Message trailer	M	1

## 5. Sample files

### 5.1 Accepted Aperak message

UNB+UNOA:2+PNTCT+TST+180908:1723+170305'  
UNH+38616248739319+APERAK:D:96B:UN:INT10'  
BGM+11+117272700001+9+AP'  
DTM+137:201809081718:203'  
RFF+ACW:285608'  
RFF+CAO:MAERSK SEVILLE'  
NAD+MS+PNTCT:160:87'  
NAD+MR+MAEU:160:87'  
RFF+CN:TEST1367234'  
UNT+9+38616248739319'  
UNZ+1+170305'

### 5.2 Rejected Aperak message

UNB+UNOA:2+PNTDB+TST+190205:0308+229679'  
UNH+40883497130758+APERAK:D:96B:UN:INT10'  
BGM+11+319313300001+9+RE'  
DTM+137:201902050256:203'  
RFF+ACW:2159706'  
RFF+CAO:MAERSK LEBU'  
NAD+MS+PNTDB:160:87'  
NAD+MR+TST:160:87'  
ERC+CANNOT\_R'  
FTX+AAO+++Could not find a Vessel Visit for Convention [CALLSIGN], Value [VRJH7]:, Name [MAERSK LEBU]  
and Voyage[1904] at Facility [DCT].'  
RFF+BN:967744552'  
UNT+11+40883497130758'  
UNZ+1+229679'