

APERAK D97A

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APERAK Application Error and Acknowledgement Message

Message Status= 1

APERAK is an application error and acknowledgment message which is sent from Cummins to a Trading Partner for the following purposes: 1) To inform the Trading Partner that their message has been received by Cummins's application and the message has been rejected due to errors encountered during processing by the application 2) To acknowledge the receipt of the Trading Partner's message by Cummins's application.

Not Defined:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
	UNB	INTERCHANGE HEADER	M	1		Must use
0010	UNH	MESSAGE HEADER	M	1		Must use

Heading:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
0020	BGM	BEGINNING OF MESSAGE	M	1		Must use
0030	DTM	DATE/TIME/PERIOD	C	9		Used
0060		Segment Group 1	C	9	N1/0060	Used
0070	RFF	REFERENCE	M	1		Must use
0080	DTM	DATE/TIME/PERIOD	C	9		Used
0090		Segment Group 2	C	9	N1/0090	Used
0100	NAD	NAME AND ADDRESS	M	1		Must use

Detail:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
0130		Segment Group 3	C	99999	N2/0130	Used
0140	ERC	APPLICATION ERROR INFORMATION	M	1		Must use
0150	FTX	FREE TEXT	C	1		Used

Not Defined:

<u>Pos</u>	<u>Tag</u>	<u>Segment Name</u>	<u>Status</u>	<u>Rep</u>	<u>Notes</u>	<u>Usage</u>
0190	UNT	MESSAGE TRAILER	M	1		Must use
	UNZ	INTERCHANGE TRAILER	M	1		Must use

Note:

*DESADV Business Rules captured by this APERAK:
 An APERAK will be sent if a DESADV message contains data errors as detected by Cummins's applications. In this event, the DESADV has not been loaded into Cummins's application system. The DESADV must be corrected and re-sent before the goods arrive at Cummins's receiving location to avoid potential payment and receipt reconciliation issues. Due to the time sensitive nature of the DESADV message it is critical that Cummins's Trading Partner understands and executes the correct APERAK process.*

Note:

INVOIC Business Rules captured by this APERAK:

An APERAK will be sent if an INVOIC message contains data errors as detected by Cummins's applications. In this event, the INVOIC has not been loaded into Cummins's application system. The INVOIC must be corrected and re-sent with the same invoice number before the invoice is eligible for payment from Cummins.

Note:

Additional Business Rules captured by this APERAK:

If your Trading Partner is working with one of Cummins's plant that is running an Oracle 11i application system, the APERAK generated may be either a warning or an error. Please consult the details of the message and the information provided by Cummins which will indicate if the data has been loaded.

Note:

Example EDI:

```
UNB+UNOA:1+123456789:1+987654321:1+080908:0111+1++APERAK
UNH+1+APERAK:D:97A:UN
BGM+:::APPLICATION ACKNOWLEDGEMENT+1111+11
DTM+97:20080908:102
RFF+IV:4913
DTM+3:20080908:102
NAD+SF+987654::92++SUPPLIER
NAD+ST+123456789::16++CUMMINS
ERC+POI::116
FTX+AAO+3++INVALID PO NUMBER:PRF1:082908
UNT+10+1
UNZ+1+1
```

UNB INTERCHANGE HEADER

Pos:	Max: 1
Mandatory	
Group: N/A	Elements: 6

User Option (Usage): Must use

To start, identify, and specify an interchange.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNB010	S001	SYNTAX IDENTIFIER	M	Comp		Must use
		Description: Identification of the agency controlling the syntax and indication of syntax level.				
	0001	Syntax identifier	M	a	4/4	Must use
		Description: Coded identification of the agency controlling a syntax and syntax level used in an interchange.				
		<u>Code</u>		<u>Name</u>		
		UNOA		UN/ECE level A		
	0002	Syntax version number	M	n	1/1	Must use
		Description: Version number of the syntax identified in the syntax identifier.				
		<u>Code</u>		<u>Name</u>		
		1		Version 1		
UNB020	S002	INTERCHANGE SENDER	M	Comp		Must use
		Description: Identification of the sender of the interchange.				
	0004	Sender identification	M	an	1/35	Must use
		Description: Name or coded representation of the sender of a data interchange.				
	0007	Partner identification code qualifier	C	an	1/4	Used
		Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.				
		<u>Code</u>		<u>Name</u>		
		1		DUNS (Data Universal Numbering System)		
		ZZ		Mutually defined		
UNB030	S003	INTERCHANGE RECIPIENT	M	Comp		Must use
		Description: Identification of the recipient of the interchange.				
	0010	Recipient identification	M	an	1/35	Must use
		Description: Name or coded representation of the recipient of a data interchange.				
	0007	Partner identification code qualifier	C	an	1/4	Used
		Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.				
		<u>Code</u>		<u>Name</u>		
		1		DUNS (Data Universal Numbering System)		
		12		Telephone number		
		ZZ		Mutually Defined		

UNB040	S004	DATE/TIME OF PREPARATION	M	Comp		Must use
		Description:	Date/time of preparation of the interchange.			
	0017	Date of preparation	M	n	6/6	Must use
		Description:	Local date when an interchange or a functional group was prepared.			
	0019	Time of preparation	M	n	4/4	Must use
		Description:	Local time of day when an interchange or a functional group was prepared.			
UNB050	0020	Interchange control reference	M	an	1/14	Must use
		Description:	Unique reference assigned by the sender to an interchange.			
UNB070	0026	Application reference	C	an	1/14	Used
		Description:	Identification of the application area assigned by the sender, to which the messages in the interchange relate (the message identifier if all the messages in the interchange are of the same type).			

Note:*Example EDI:*

UNB+UNOA:1+123456789:1+987654321:1+080908:0111+1++APERAK

UNH MESSAGE HEADER

Pos: 0010	Max: 1
Mandatory	
Group: N/A	Elements: 2

User Option (Usage): Must use

To head, identify, and specify a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNH010	0062	Message reference number	M	an	1/14	Must use
		Description: Unique message reference assigned by the sender.				
UNH020	S009	MESSAGE IDENTIFIER	M	Comp		Must use
		Description: Identification of the type, version, etc. of the message being interchanged.				
	0065	Message type identifier	M	an	1/6	Must use
		Description: Code identifying a type of message and assigned by its controlling agency.				
		<u>Code</u>		<u>Name</u>		
		APERAK		Application error and acknowledgement message		
	0052	Message type version number	M	an	1/3	Must use
		Description: Version number of a message type.				
		<u>Code</u>		<u>Name</u>		
		D		Draft version		
	0054	Message type release number	M	an	1/3	Must use
		Description: Release number within the current message type version number.				
		<u>Code</u>		<u>Name</u>		
		97A		Release 1997 - A		
	0051	Controlling agency	M	an	1/2	Must use
		Description: Code identifying the agency controlling the specification, maintenance, and publication of the message type.				
		<u>Code</u>		<u>Name</u>		
		UN		UN/ECE/TRADE/WP.4, United Nations Standard Messages (UNSM)		

Note:

Example EDI:

UNH+1+APERAK:D:97A:UN

BGM BEGINNING OF MESSAGE

Pos: 0020	Max: 1
Mandatory	
Group: N/A	Elements: 3

User Option (Usage): Must use

To indicate the type and function of a message and to transmit the identifying number.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BGM010	C002	DOCUMENT/MESSAGE NAME	C	Comp		Used
		Description: Identification of a type of document/message by code or name. Code preferred.				
	1000	Document/message name	C	an	1/35	Used
		Description: Plain language identifier specifying the function of a document/message.				
		Note: <i>Application Acknowledgement</i>				
BGM020	C106	DOCUMENT/MESSAGE IDENTIFICATION	C	Comp		Used
		Description: Identification of a document/message by its number and eventually its version or revision.				
	1004	Document/message number	C	an	1/35	Used
		Description: Reference number assigned to the document/message by the issuer.				
BGM030	1225	Message function, coded	C	an	1/3	Used
		Description: Code indicating the function of the message.				
		<u>Code</u>		<u>Name</u>		
		11		Response		

Note:

Example EDI:
BGM+:::APPLICATION ACKNOWLEDGEMENT+1111+11

DTM DATE/TIME/PERIOD

Pos: 0030	Max: 9
Conditional	
Group: N/A	Elements: 1

User Option (Usage): Used

To specify date, and/or time, or period.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp		Must use
Description: Date and/or time, or period relevant to the specified date/time/period type.						
2005		Date/time/period qualifier	M	an	1/3	Must use
Description: Code giving specific meaning to a date, time, or period.						
		<u>Code</u>		<u>Name</u>		
		97		Transaction creation date		
2380		Date/time/period	C	an	1/35	Used
Description: The value of a date, a date and time, a time, or of a period in a specified representation.						
Note: <i>Creation Date of APERAK</i>						
2379		Date/time/period format qualifier	C	an	1/3	Used
Description: Specification of the representation of a date, a date and time, or of a period.						
		<u>Code</u>		<u>Name</u>		
		102		CCYYMMDD		

Note:

Example EDI:
DTM+97:20080908:102

RFF REFERENCE

Pos: 0070	Max: 1
Mandatory	
Group: 1	Elements: 1

User Option (Usage): Must use

To specify a reference.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
RFF010	C506	REFERENCE	M	Comp		Must use
Description: Identification of a reference.						
	1153	Reference qualifier	M	an	1/3	Must use
Description: Code giving specific meaning to a reference segment or a reference number.						
		<u>Code</u>		<u>Name</u>		
		IV		Invoice number		
		SI		SID (Shipper's identifying number for shipment)		
		AAK		Despatch advice number		
	1154	Reference number	C	an	1/35	Used
Description: Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.						

Note:

Example EDI:
 RFF+SI:4321
 RFF+IV:1234

DTM DATE/TIME/PERIOD

Pos: 0080	Max: 9
Conditional	
Group: 1	Elements: 1

User Option (Usage): Used

To specify date, and/or time, or period.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM010	C507	DATE/TIME/PERIOD	M	Comp		Must use
		Description: Date and/or time, or period relevant to the specified date/time/period type.				
	2005	Date/time/period qualifier	M	an	1/3	Must use
		Description: Code giving specific meaning to a date, time, or period.				
		<u>Code</u>		<u>Name</u>		
		3		Invoice date/time		
		11		Despatch date and or time		
	2380	Date/time/period	C	an	1/35	Used
		Description: The value of a date, a date and time, a time, or of a period in a specified representation.				
	2379	Date/time/period format qualifier	C	an	1/3	Used
		Description: Specification of the representation of a date, a date and time, or of a period.				
		<u>Code</u>		<u>Name</u>		
		102		CCYYMMDD		

Note:*Example EDI:**DTM+3:20080908:102**DTM+11:20080908:102*

NAD NAME AND ADDRESS

Pos: 0100	Max: 1
Mandatory	
Group: 2	Elements: 3

User Option (Usage): Must use

To specify the name/address and their related function, either by CO82 only and/or unstructured by CO58 or structured by CO80 thru 3207.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
NAD010	3035	Party qualifier	M	an	1/3	Must use

Description: Code giving specific meaning to a party.

<u>Code</u>	<u>Name</u>
SF	Ship from
ST	Ship to

NAD020	C082	PARTY IDENTIFICATION DETAILS	C	Comp		Used
--------	------	-------------------------------------	---	------	--	------

Description: Identification of a transaction party by code.

3039		Party id. identification	M	an	1/35	Must use
------	--	---------------------------------	---	----	------	----------

Description: Code identifying a party involved in a transaction.

Note: If 3035 = 'SF', value will be the Cummins Supplier Code Number or Supplier Trading Partner ID.
If 3035 = 'ST', value will be the Cummins Trading Partner ID.

3055		Code list responsible agency, coded	C	an	1/3	Used
------	--	--	---	----	-----	------

Description: Code identifying the agency responsible for a code list.

<u>Code</u>	<u>Name</u>
16	DUNS (Dun & Bradstreet)
92	Assigned by buyer or buyer's agent

NAD040	C080	PARTY NAME	C	Comp		Used
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Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.

3036		Party name	M	an	1/35	Must use
------	--	-------------------	---	----	------	----------

Description: Name of a party involved in a transaction.

Note:

Example EDI:
NAD+SF+987654::92++SUPPLIER
NAD+ST+123456789::16++CUMMINS

<h1>ERC APPLICATION ERROR INFORMATION</h1>	Pos: 0140	Max: 1
	Mandatory	
Group: 3	Elements: 1	

User Option (Usage): Must use

To identify the type of application error within a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ERC010	C901	APPLICATION ERROR DETAIL	M	Comp		Must use
Description: Code assigned by the recipient of a message to indicate a data validation error condition.						
	9321	Application error identification	M	an	1/8	Must use
Description: The code assigned by the receiver of a message to the identification of a data validation error condition.						
Note: 003 Duplicate Billing 007 Missing Data 008 Out of Range 009 Invalid Date 010 Total Out of Balance 011 Not Matching 012 Invalid Combination 013 Duplicate ASN 802 Invalid Debit or Credit Flag Code CUR Invalid Currency Code POI Purchase Order Number Invalid Q Missing or Invalid Item Identification						
	3055	Code list responsible agency, coded	C	an	1/3	Used
Description: Code identifying the agency responsible for a code list.						
		Code		Name		
		116		US, ANSI ASC X12		

Note:
 Example EDI:
 ERC+011::116
 ERC+POI::116

FTX	FREE TEXT	Pos: 0150	Max: 1
		Conditional	
		Group: 3	Elements: 3

User Option (Usage): Used

To provide free form or coded text information.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FTX010	4451	Text subject qualifier	M	an	1/3	Must use

Description: Code specifying subject of a free text.

<u>Code</u>	<u>Name</u>
AAO	Error description (free text)

FTX020	4453	Text function, coded	C	an	1/3	Used
--------	------	-----------------------------	---	----	-----	------

Description: Code specifying how to handle the text.

<u>Code</u>	<u>Name</u>
3	Text for immediate use

FTX040	C108	TEXT LITERAL	C	Comp		Used
--------	------	---------------------	---	------	--	------

Description: Free text; one to five lines.

	4440	Free text	M	an	1/70	Must use
--	------	------------------	---	----	------	----------

Description: Free text field available to the message sender for information.

Note: The list of specific application error codes that may appear in the FTX040 element are as follows:

DESADV:

- No Cummins Dock Code*
- No Package Information*
- Invalid/Zero Qty for Part*
- No Package Quantity*
- Invalid Buyer Part Number*
- Invalid PO for Supplier*
- Duplicate ASN*
- Duplicate LIN*

INVOIC:

- Invoice Received Without Line Detail*
- Duplicate Invoice Number*
- Duplicate Invoice Received*
- Invoice Number is Null*
- Invoice Amount Incorrect*
- Invalid Invoice Quantity*
- Total Out of Balance*
- Invalid PO Number*
- Invalid Debit or Credit Flag*
- Invalid Currency Code*
- Incomplete Invoice Data Received*
- Credit Memo Sent as Invoice*
- Part Number Missing on Invoice Line*

	4440	Free text	C	an	1/70	Used
--	------	------------------	---	----	------	------

Description: Free text field available to the message sender for information.

Note: *This element may contain segment/element in error.*

4440 **Free text** C an 1/70 Used

Description: Free text field available to the message sender for information.

Note: *This element may contain a copy of the bad data.*

Note:

Example EDI:

FTX+AAO+3++INVALID PO NUMBER:PRF1:082908

UNT MESSAGE TRAILER

Pos: 0190	Max: 1
Mandatory	
Group: N/A	Elements: 2

User Option (Usage): Must use

To end and check the completeness of a message.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNT010	0074	Number of segments in a message	M	n	1/6	Must use
		Description: Control count of number of segments in a message.				
UNT020	0062	Message reference number	M	an	1/14	Must use
		Description: Unique message reference assigned by the sender.				

Note:

Example EDI:
 UNT+10+1

UNZ INTERCHANGE TRAILER

Pos:	Max: 1
Mandatory	
Group: N/A	Elements: 2

User Option (Usage): Must use

To end and check the completeness of an interchange.

Element Summary:

<u>Ref</u>	<u>Tag</u>	<u>Element Name</u>	<u>Status</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
UNZ010	0036	Interchange control count	M	n	1/6	Must use
Description: Count either of the number of messages or, if used, of the number of functional groups in an interchange.						
UNZ020	0020	Interchange control reference	M	an	1/14	Must use
Description: Unique reference assigned by the sender to an interchange.						

Note:

Example EDI:
UNZ+1+1