APERAK D97A

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APERAK

Application Error and Acknowledgement Message

Message Status=1

Purpose: 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:

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

Heading:

Pos	Tag	Segment Name	Status	Rep	Notes	Usage
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:

Pos	Tag	Segment Name	Status	Rep	Notes	Usage
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:

Pos	Tag	Segment Name	Status	Rep	Notes	Usage
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 reconcilliation 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
Purpose: To start, identify, and specify an interchange.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB010	S001	**SYNTAX IDENTIFIER**	M	Comp		Must use

Description: Identification of the agency controlling the syntax and indication of syntax level.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB010-010	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.

CodeList Summary (Total Codes: 6, Included: 1)

Code	Name
UNOA	UN/ECE level A

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB010-020	0002	**Syntax version number**	M	n	1/1	Must use

Description: Version number of the syntax identified in the syntax identifier.

CodeList Summary (Total Codes: 3, Included: 1)

Code	Name
1	Version 1

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB020	S002	**INTERCHANGE SENDER**	M	Comp		Must use

Description: Identification of the sender of the interchange.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB020-010	0004	**Sender identification**	M	an	1/35	Must use

Description: Name or coded representation of the sender of a data interchange.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB020-020	0007	**Partner identification code qualifier**	C	an	1/4	Used

Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.

CodeList Summary (Total Codes: 43, Included: 2)

Code	Name
1	DUNS (Data Universal Numbering System)
ZZ	Mutually defined

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB030	S003	**INTERCHANGE RECIPIENT**	M	Comp		Must use

Description: Identification of the recipient of the interchange.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB030-010	0010	**Recipient identification**	M	an	1/35	Must use

Description: Name or coded representation of the recipient of a data interchange.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNB030-020	0007	**Partner identification code qualifier**	C	an	1/4	Used

Description: Qualifier referring to the source of codes for the identifiers of interchanging partners.

CodeList Summary (Total Codes: 44, Included: 3)

Code	Name
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.

UNB040-010	0017	**Date of preparation**	M	n	6/6	Must use

Description: Local date when an interchange or a functional group was prepared.

UNB040-020	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
Purpose: To head, identify, and specify a message.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH010	0062	**Message reference number**	M	an	1/14	Must use

Description: Unique message reference assigned by the sender.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH020	S009	**MESSAGE IDENTIFIER**	M	Comp		Must use

Description: Identification of the type, version, etc. of the message being interchanged.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH020-010	0065	**Message type identifier**	M	an	1/6	Must use

Description: Code identifying a type of message and assigned by its controlling agency.

CodeList Summary (Total Codes: 145, Included: 1)

Code	Name
APERAK	Application error and acknowledgement message

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH020-020	0052	**Message type version number**	M	an	1/3	Must use

Description: Version number of a message type.

CodeList Summary (Total Codes: 7, Included: 1)

Code	Name
D	Draft version

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH020-030	0054	**Message type release number**	M	an	1/3	Must use

Description: Release number within the current message type version number.

CodeList Summary (Total Codes: 15, Included: 1)

Code	Name
97A	Release 1997 - A

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
UNH020-040	0051	**Controlling agency**	M	an	1/2	Must use

Description: Code identifying the agency controlling the specification, maintenance, and publication of the message type.

CodeList Summary (Total Codes: 20, Included: 1)

Code	Name
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
Purpose: To indicate the type and function of a message and to transmit the identifying number.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
BGM010	C002	**DOCUMENT/MESSAGE NAME**	C	Comp		Used

Description: Identification of a type of document/message by code or name. Code preferred.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
BGM010-040	1000	**Document/message name**	C	an	1/35	Used

Description: Plain language identifier specifying the function of a document/message.
Note: *Application Acknowledgement*

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
BGM020	C106	**DOCUMENT/MESSAGE IDENTIFICATION**	C	Comp		Used

Description: Identification of a document/message by its number and eventually its version or revision.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
BGM020-010	1004	**Document/message number**	C	an	1/35	Used

Description: Reference number assigned to the document/message by the issuer.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
BGM030	1225	**Message function, coded**	C	an	1/3	Used

Description: Code indicating the function of the message.

CodeList Summary (Total Codes: 55, Included: 1)

Code	Name
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
Purpose: To specify date, and/or time, or period.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
DTM010	C507	**DATE/TIME/PERIOD**	M	Comp		Must use

Description: Date and/or time, or period relevant to the specified date/time/period type.

DTM010-010	2005	**Date/time/period qualifier**	M	an	1/3	Must use

Description: Code giving specific meaning to a date, time, or period.

CodeList Summary (Total Codes: 364, Included: 1)

Code	Name
97	Transaction creation date

DTM010-020	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: *Creation Date of APERAK*

DTM010-030	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.

CodeList Summary (Total Codes: 70, Included: 1)

Code	Name
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
Purpose: To specify a reference.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
RFF010	C506	**REFERENCE**	M	Comp		Must use

Description: Identification of a reference.

RFF010-010	1153	**Reference qualifier**	M	an	1/3	Must use

Description: Code giving specific meaning to a reference segment or a reference number.

CodeList Summary (Total Codes: 504, Included: 3)

Code	Name
IV	Invoice number
SI	SID (Shipper's identifying number for shipment)
AAK	Despatch advice number

RFF010-020	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
Purpose: To specify date, and/or time, or period.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
DTM010	C507	**DATE/TIME/PERIOD**	M	Comp		Must use

Description: Date and/or time, or period relevant to the specified date/time/period type.

DTM010-010	2005	**Date/time/period qualifier**	M	an	1/3	Must use

Description: Code giving specific meaning to a date, time, or period.

CodeList Summary (Total Codes: 364, Included: 2)

Code	Name
3	Invoice date/time
11	Despatch date and or time

DTM010-020	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.

DTM010-030	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.

CodeList Summary (Total Codes: 70, Included: 1)

Code	Name
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
Purpose: 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:

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

Description: Code giving specific meaning to a party.

CodeList Summary (Total Codes: 325, Included: 2)

Code	Name
SF	Ship from
ST	Ship to

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
NAD020	C082	**PARTY IDENTIFICATION DETAILS**	C	Comp		Used

Description: Identification of a transaction party by code.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
NAD020-010	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.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
NAD020-030	3055	**Code list responsible agency, coded**	C	an	1/3	Used

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

CodeList Summary (Total Codes: 195, Included: 2)

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

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
NAD040	C080	**PARTY NAME**	C	Comp		Used

Description: Identification of a transaction party by name, one to five lines. Party name may be formatted.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
NAD040-010	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

ERC APPLICATION ERROR INFORMATION

Pos: 0140	**Max: 1**
Mandatory	
Group: 3	**Elements: 1**

User Option (Usage): Must use
Purpose: To identify the type of application error within a message.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
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.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
ERC010-010	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
830   Refused By Payee
848   Incorrect Data
CUR   Invalid Currency Code
INC   Incomplete Transaction
IQT   Invalid Quantity
P   Missing or Invalid Item Quantity
POI   Purchase Order Number Invalid
Q   Missing or Invalid Item Identification
QTY   Quantity
UNP   Invalid Unit Price

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
ERC010-030	3055	**Code list responsible agency, coded**	C	an	1/3	Used

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

CodeList Summary (Total Codes: 195, Included: 1)

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
Purpose: To provide free form or coded text information.

Element Summary:

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

Description: Code specifying subject of a free text.

CodeList Summary (Total Codes: 189, Included: 1)

Code	Name
AAO	Error description (free text)

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
FTX020	4453	**Text function, coded**	C	an	1/3	Used

Description: Code specifying how to handle the text.

CodeList Summary (Total Codes: 4, Included: 1)

Code	Name
3	Text for immediate use

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
FTX040	C108	**TEXT LITERAL**	C	Comp		Used

Description: Free text; one to five lines.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
FTX040-010	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
PO In Reapproval Status
Missing Shipment ID Number
PO or Part Is Closed
No Release On PO
Quantity Received Exceeds Shipment Tolerance
Invalid PO or Part Number Combination
Invalid Ship Date
Incorrect Supplier Code
ASN Quantity Does Not Match The Physical Quantity Received
Invalid Country Of Origin Code
Invalid Unit Of Measure Code
Shipment Cancelled
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* *Future Dated Invoice* *Invalid Invoice Date* *Invoice Price Greater Than PO Price* *Invoice Quantity Greater Than Open PO Quantity* *Goods Have Been Returned* *Refused By Payee* *Invoice Quantity Greater Than Receipt Quantity*				
FTX040-020	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.*				
FTX040-030	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
Purpose: To end and check the completeness of a message.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
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
Purpose: To end and check the completeness of an interchange.

Element Summary:

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
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.

Ref	Tag	Element Name	Status	Type	Min/Max	Usage
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