



GENERAL MOTORS IMPLEMENTATION GUIDELINES
FOR
APERAK MESSAGE
APPLICATION ERROR AND ACKNOWLEDGEMENT MESSAGE

CORPORATE INFORMATION STANDARDS
INFORMATION SYSTEMS & SERVICES
GENERAL MOTORS CORPORATION

APERAK Development Committee Members

<u>Name</u>	<u>Division</u>
Charles J. Wodtke	Allison Transmission Division
Bruce D Wolfe	Delphi - Delco Electronics
Susan Tatus McLarty	Global Partner Communications (GPC)
Cheryl Weisbarth	Global Partner Communications (GPC)
Bob Paige	Global Material Systems (GMS)
Brenda Morgan	GM SPO
Kathleen Doherty	GM SPO
Karen McGinnis	GM SPO
Arleen Firoz	IS&S ESG
Kathleen Williams	IS&S ESG
Ralf Lehmann	GME Trading Partner Communications
Melanie McCarthy	Information Systems & Services
Bob Maudlin	Saturn
Philip Webb	Saturn/EDS
Irvin Chmielewski	EDS/ECSD
Jess Pringle	EDS/ECSD
Johnny Snell	EDS/ECSD
Fredrick Pitz	EDS/GME
Marjorie Ballou	EDS/SPO

TABLE OF CONTENTS

<u>TITLE</u>	<u>Page</u>
GENERAL INFORMATION	4
BOILERPLATE	6
SEGMENT DIRECTORY	8
DATA SEGMENTS	9
APERAK EXAMPLE	29
APERAK GUIDELINE CHANGE LOG	30

GENERAL INFORMATION

PURPOSE

This Implementation Guideline details how General Motors intends to use the APERAK Message. The function of this message is 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.

APPLICATION

General Motors plans to use the EDIFACT message standards when this type of information is transmitted to trading partners. Plans to migrate from the ANSI ASC X12 824 or other proprietary standards will be communicated as business plans dictate the need to change.

STRUCTURE OF THE GM IMPLEMENTATION GUIDELINE

The GM Implementation Guideline appearing on the following pages, include the EDIFACT Boilerplate, the Segment Table, Segment explanations and various examples of the APERAK Message. The Segment Table is a summary of the entire EDIFACT Message, in the left column GM has identified when/if each Segment Group/ Segment is used. Each segment is defined as "Must Use", "Not Used", or a blank denotes that the segment may be used by some GM entities.

The next portion of the document, the Segment information requirements for data element usage are also defined. GM will use the following symbols in the left column:

- >> GM requires that information is provided
- X GM does not expect to receive this information
- (blank) Some GM locations may expect to receive this data.

The Attributes column, located on the right side of the Segment information, provides the EDIFACT element size. GM plans to conform to the EDIFACT field parameters.

USE OF EDIFACT AND ISO DATA ELEMENT DICTIONARIES

There is one exception to the statement in the gray notes fields throughout this document that reads, "GM may send any code listed in the Data Dictionary". GM will not send codes Z, ZZ or ZZZ (described as mutually defined) because they are not specific and cannot be applied to all GM applications.

VERSION

The APERAK message has been developed based on version 97A of the EDIFACT Standard.

RESPONSIBILITY

This document was developed and is maintained by the General Motors Materials Management EDIFACT Guideline Development group. It is distributed internally to all General Motors EDI and CISCO Coordinators.

MAINTENANCE

The General Motors Materials Management Maintenance Work Group and Information Systems and Services will review changes to this document. The change process can only be initiated by individuals/ organizations within the General Motors Corporation. Changes to the guideline will be considered on a bi-annual basis, to ensure that there is a consistent interpretation of the message.

BOILERPLATE

SEGMENT CLARIFICATION

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	0065 APERAK	0052 D	0054 97A	0051 UN
--------------	-------------	--------	----------	---------

BGM Beginning of Message

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

DTM Date/Time/Period

A segment to specify related date/time.

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.

CNT Control Total

A segment to provide message control totals.

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.

RFF Reference

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

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.

NAD Name and Address

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

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.

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).

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.

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).

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).

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.

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.

SEGMENT DIRECTORY

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Group Repeat</u>	<u>Notes and Comments</u>
Must Use	0010	UNH	Message Header	M	1		
Must Use	0020	BGM	Beginning of Message	M	1		
Must Use	0030	DTM	Date/Time/Period	C	9		
Must Use	0040	FTX	Free Text	C	9		
	0050	CNT	Control Total	C	9		
	0060		Segment Group 1: RFF-DTM	C		9	
Must Use	0070	RFF	Reference	M	1		
Not Used	0080	DTM	Date/Time/Period	C	9		
	0090		Segment Group 2: NAD-CTA-COM	C		9	
Must Use	0100	NAD	Name and Address	M	1		
Not Used	0110	CTA	Contact Information	C	9		
Not Used	0120	COM	Communication Contact	C	9		
	0130		Segment Group 3: ERC-FTX-SG4	C		99999	
Must Use	0140	ERC	Application Error Information	M	1		
Not Used	0150	FTX	Free Text	C	1		
	0160		Segment Group 4: RFF-FTX	C		1	
Must Use	0170	RFF	Reference	M	1		
	0180	FTX	Free Text	C	9		
Must Use	0190	UNT	Message Trailer	M	1		

DATA SEGMENTS

Segment: **UNH** Message Header
Position: 0010
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To head, identify and specify a Message
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNH+1+APERAK:D:97A:UN'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	0062		Message reference number Unique message reference assigned by the sender. Must match the message reference number in the UNT.	M an..14
>>	S009		Message Identifier Identification of the type, version etc. of the message being interchanged.	M
>>		0065	Message type identifier Code identifying a type of message and assigned by its controlling agency. APERAK Application error and acknowledgement message A code to identify the 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 Message approved and issued as a draft message (Valid for directories published after March 1993 and prior to March 1997). Message approved as a standard message (Valid for directories published after March 1997).	M an..3
>>		0054	Message type release number Release number within the current message type version number (0052). 97A Release 1997 - A Message approved and issued in the first 1997 release of the UNTDID (United Nations Trade Data Interchange Directory).	M an..3
>>		0051	Controlling agency Code identifying the agency controlling the specification, maintenance and publication of the message type. UN UN/ECE/TRADE/WP.4 United Nations Economic UN Economic Commission for Europe (UN/ECE), Committee on the development of trade (TRADE), Working Party on facilitation of international trade procedures (WP.4).	M an..2
X		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.	C an..6

X	0068	Common access reference	C an..35
		Reference serving as a key to relate all subsequent transfers of data to the same business case or file.	
X	S010	Status of the Transfer	C
		Statement that the message is one in a sequence of transfers relating to the same topic.	
X	0070	Sequence message transfer number	M n..2
		Number assigned by the sender indicating that the message is an addition or change of a previously sent message relating to the same topic.	
X	0073	First/last sequence message transfer indication	C a1
		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: To indicate the type and function of a message and to transmit the identifying number.
Syntax Notes:
Semantic Notes:
Comments:
Notes: BGM+7+1111+9+RE'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
C002		Document/Message Name	C
		Identification of a type of document/message by code or name. Code preferred.	
	1001	Document/message name, coded	C an..3
		Document/message identifier expressed in code.	
	7	Process data report	
		Reports on events during production process.	
X	1131	Code list qualifier	C an..3
		Identification of a code list.	
X	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
X	1000	Document/message name	C an..35
		Plain language identifier specifying the function of a document/message.	
	C106	Document/Message Identification	C
		Identification of a document/message by its number and eventually its version or revision.	
>>	1004	Document/message number	C an..35
		Reference number assigned to the document/message by the issuer.	
		Reference identification number unique for a calendar year.	
X	1056	Version	C an..9
		To specify the version number or name of an object.	
X	1060	Revision number	C an..6
		To specify a revision number.	
	1225	Message function, coded	C an..3
		Code indicating the function of the message.	
	9	Original	
		Initial transmission related to a given transaction.	

>>

4343

Response type, coded

C an..3

Code specifying the type of acknowledgment required or transmitted.

AP	Accepted Indication that the referenced offer or transaction (e.g., cargo booking or quotation request) has been accepted.
CA	Conditionally accepted Indication that the referenced offer or transaction (e.g., cargo booking or quotation request) has been accepted under conditions indicated in this message.
RE	Rejected Indication that the referenced offer or transaction (e.g., cargo booking or quotation request) is not accepted.

Segment: **DTM** Date/Time/Period
Position: 0030
Group:
Level: 1
Usage: Conditional (Must Use)
Max Use: 9
Purpose: To specify date, and/or time, or period.
Syntax Notes:
Semantic Notes:
Comments:
Notes: DTM+137:199801141455:203'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C507		Date/Time/Period	M
		Date and/or time, or period relevant to the specified date/time/period type.	
>>	2005	Date/time/period qualifier	M an..3
		Code giving specific meaning to a date, time or period.	
	137	Document/message date/time (2006) Date/time when a document/message is issued. This may include authentication.	
>>	2380	Date/time/period	C an..35
		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..3
		Specification of the representation of a date, a date and time or of a period.	
	203	CCYYMMDDHHMM Calendar date including time with minutes: C=Century; Y=Year; M=Month; D=Day; H=Hour; M=Minutes.	

Segment: **FTX** Free Text
Position: 0040
Group:
Level: 1
Usage: Conditional (Must Use)
Max Use: 9
Purpose: To provide free form or coded text information.
Syntax Notes:
Semantic Notes:
Comments:

Notes: This segment will be used only once, to indicate the UN/EDIFACT message to which the APERAK is responding.

FTX+AAP++DESADV'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4451		Text subject qualifier Code specifying subject of a free text. AAP Response (free text) Free text of the response to a communication.	M an..3
X	4453		Text function, coded Code specifying how to handle the text.	C an..3
	C107		Text Reference Coded reference to a standard text and its source.	C
>>		4441	Free text identification Free text in coded form. Actual message name to which response is generated.	M an..17
X		1131	Code list qualifier Identification of a code list.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
X	C108		Text Literal Free text; one to five lines.	C
X		4440	Free text Free text field available to the message sender for information.	M an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X	3453		Language, coded Code of language (ISO 639-1988).	C an..3

Segment: **CNT** Control Total
Position: 0050
Group:
Level: 1
Usage: Conditional
Max Use: 9
Purpose: To provide control total.
Syntax Notes:
Semantic Notes:
Comments:
Notes:

This segment will only be used in response to the INVOIC message.

CNT+12:10'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C270		Control	M
		Control total for checking integrity of a message or part of a message.	
>>	6069	Control qualifier	M an..3
		Determines the source data elements in the message which forms the basis for 6066 Control value.	
		1	Algebraic total of the quantity values in line items in a message
		12	Invoice total amount
			[5444] Total sum charged in respect of one or more Invoices in accordance with the terms of delivery.
>>	6066	Control value	M n..18
		Value obtained from summing the values specified by the Control Qualifier throughout the message (Hash total).	
	6411	Measure unit qualifier	C an..3
		Indication of the unit of measurement in which weight (mass), capacity, length, area, volume or other quantity is expressed.	

Group: **RFF** Segment Group 1: Reference
Position: 0060
Group:
Level: 1
Usage: Conditional
Max Use: 9
Purpose:

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0070	RFF	Reference	M	1	

Segment: **RFF** Reference
Position: 0070
Group: Segment Group 1 (Reference) Conditional
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.
Syntax Notes:
Semantic Notes:
Comments:
Notes: RFF+SI:24356839'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C506		Reference	M
		Identification of a reference.	
>>	1153	Reference qualifier	M an..3
		Code giving specific meaning to a reference segment or a reference number.	
	AAK	Despatch advice number	
		Reference number assigned by issuing party to a despatch advice.	
	BM	Bill of lading number	
		Reference number assigned to a bill of lading, see: 1001 = 705.	
	FN	Freight bill number	
		Reference number assigned by issuing party to a freight bill.	
	IV	Invoice number	
		[1334] Reference number assigned by the seller to a Commercial Invoice.	
	JB	Job number	
		Identifies a piece of work.	
	ON	Order number (purchase)	
		[1022] Reference number assigned by the buyer to an order.	
	PB	Payer's financial institution account number	
		Originated company account number (ACH transfer), check, draft or wire.	
	PR	Price quote number	
		Reference number assigned by the seller to a quote.	
	RE	Release number	
		Reference number assigned to identify a release of a set of rules, conventions, conditions, etc.	
	SI	SID (Shipper's identifying number for shipment)	
		Description to be provided.	
	TN	Transaction reference number	
		Reference applied to a transaction between two or more parties over a defined life cycle; e.g. number applied by importer or broker to obtain release from Customs, may then used to control declaration through final accounting (synonyms: declaration, entry number).	

>>	1154	Reference number	C	an..35
		Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.		
X	1156	Line number	C	an..6
		Number of the line in the document/message referenced in 1154 Reference number.		
X	4000	Reference version number	C	an..35
		To uniquely identify a reference by its revision number.		

Group: **NAD** Segment Group 2: Name and Address
Position: 0090
Group:
Level: 1
Usage: Conditional
Max Use: 9
Purpose:

Segment Summary

	Pos.	Seg.		Req.	Max.	Group:
	<u>No.</u>	<u>ID</u>	<u>Name</u>	<u>Des.</u>	<u>Use</u>	<u>Repeat</u>
Must Use	0100	NAD	Name and Address	M	1	

Segment: **NAD** Name and Address
Position: 0100
Group: Segment Group 2 (Name and Address) Conditional
Level: 1
Usage: Mandatory
Max Use: 1
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.

Syntax Notes:

Semantic Notes:

Comments:

Notes: NAD+MR+987654321::16'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	3035		Party qualifier Code giving specific meaning to a party. FR Message from Party where the message comes from. MR Message recipient	M an..3
>>	C082		Party Identification Details Identification of a transaction party by code.	C
>>		3039	Party id. identification Code identifying a party involved in a transaction.	M an..35
X		1131	Code list qualifier Identification of a code list.	C an..3
		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list. 16 DUNS (Dun & Bradstreet) 92 Assigned by buyer or buyer's agent	C an..3
X	C058		Name and Address Unstructured name and address: one to five lines.	C
X		3124	Name and address line Free form name and address description.	M an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
X		3124	Name and address line Free form name and address description.	C an..35
	C080		Party Name Identification of a transaction party by name, one to five lines. Party name may be formatted.	C
>>		3036	Party name Name of a party involved in a transaction.	M an..35

X		3036 Party name	C	an..35
		Name of a party involved in a transaction.		
X		3036 Party name	C	an..35
		Name of a party involved in a transaction.		
X		3036 Party name	C	an..35
		Name of a party involved in a transaction.		
X		3036 Party name	C	an..35
		Name of a party involved in a transaction.		
X		3045 Party name format, coded	C	an..3
		Specification of the representation of a party name.		
X	C059	Street	C	
		Street address and/or PO Box number in a structured address: one to three lines.		
X		3042 Street and number/p.o. box	M	an..35
		Street and number in plain language, or Post Office Box No.		
X		3042 Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X		3042 Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X		3042 Street and number/p.o. box	C	an..35
		Street and number in plain language, or Post Office Box No.		
X	3164	City name	C	an..35
		Name of a city (a town, a village) for addressing purposes.		
X	3229	Country sub-entity identification	C	an..9
		Identification of the name of sub-entities (state, province) defined by appropriate governmental agencies.		
X	3251	Postcode identification	C	an..9
		Code defining postal zones or addresses.		
X	3207	Country, coded	C	an..3
		Identification of the name of a country or other geographical entity as specified in ISO 3166.		

Group: **ERC** Segment Group 3: Application Error Information
Position: 0130
Group:
Level: 1
Usage: Conditional
Max Use: 99999
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0140	ERC	Application Error Information	M	1	
	0160		Segment Group 4: Reference	C		1

Segment: **ERC** **Application Error Information**
Position: 0140
Group: Segment Group 3 (Application Error Information) Conditional
Level: 1
Usage: Mandatory
Max Use: 1
Purpose: To identify the type of application error within a message.
Syntax Notes:
Semantic Notes:
Comments:
Notes: ERC+006::116'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	C901	Application Error Detail	M
		Code assigned by the recipient of a message to indicate a data validation error condition.	
>>	9321	Application error identification	M an..8
		The code assigned by the receiver of a message to the identification of a data validation error condition.	
		GM will use the values from X12 Data Element Dictionary element number 647.	
		004 Invalid Commodity Code	
		005 Route Error	
		006 Duplicate	
		007 Missing Data	
		008 Out of Range	
		009 Invalid Date	
		010 Total Out of Balance	
		011 Not Matching	
		012 Invalid Combination	
		024 Other Unlisted Reason	
		813 Missing or Invalid Payee Name and Address	
X	1131	Code list qualifier	C an..3
		Identification of a code list.	
	3055	Code list responsible agency, coded	C an..3
		Code identifying the agency responsible for a code list.	
		116 US, ANSI ASC X12	
		American National Standards Institute ASC X12.	

Group: **RFF** Segment Group 4: Reference
Position: 0160
Group: Segment Group 3 (Application Error Information) Conditional
Level: 2
Usage: Conditional
Max Use: 1
Purpose:

Segment Summary

	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Group: Repeat
Must Use	0170	RFF	Reference	M	1	
	0180	FTX	Free Text	C	9	

Segment: **RFF** Reference
Position: 0170
Group: Segment Group 4 (Reference) Conditional
Level: 2
Usage: Mandatory
Max Use: 1
Purpose: To specify a reference.
Syntax Notes:
Semantic Notes:
Comments:
Notes: RFF+BM:978632'

Data Element Summary

<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>> C506		Reference	M
		Identification of a reference.	
>>	1153	Reference qualifier	M an..3
		Code giving specific meaning to a reference segment or a reference number.	
	AAO	Consignee's shipment reference number [1362] Reference assigned by the consignee to a shipment.	
	ABU	Article number	
	AES	Primary reference Description to be provided.	
		Only used by SPO	
	BM	Bill of lading number Reference number assigned to a bill of lading, see: 1001 = 705.	
	BT	Batch number/lot number Reference number assigned by manufacturer to a series of similar products or goods produced under similar conditions.	
	CM	Credit memo number Reference number assigned by issuer to a credit memo.	
	CO	Buyers order number [1022] Reference number assigned by the buyer to an order.	
	CR	Customer reference number Reference number assigned by the customer to a transaction.	
	DL	Debit note number Reference number assigned by issuer to a debit note.	
	FN	Freight bill number Reference number assigned by issuing party to a freight bill.	
	IV	Invoice number [1334] Reference number assigned by the seller to a Commercial Invoice.	
	LA	Shipping label serial number	
	LS	Bar coded label serial number	

POR Purchase order response number
Reference number assigned by the seller to an order response.

PP Purchase order change number
Reference number assigned by a buyer for a revision of a purchase order.

RE Release number
Reference number assigned to identify a release of a set of rules, conventions, conditions, etc.

SI SID (Shipper's identifying number for shipment)
Description to be provided.

UO Ultimate customer's order number
The originator's order number as forwarded in a sequence of parties involved.

>> **1154 Reference number** **C an..35**
Identification number the nature and function of which can be qualified by an entry in data element 1153 Reference qualifier.

X 1156 Line number **C an..6**
Number of the line in the document/message referenced in 1154 Reference number.

X 4000 Reference version number **C an..35**
To uniquely identify a reference by its revision number.

Segment: **FTX** Free Text
Position: 0180
Group: Segment Group 4 (Reference) Conditional
Level: 3
Usage: Conditional
Max Use: 9
Purpose: To provide free form or coded text information.
Comments:
Notes: GM may send multiple iterations of this segment.

FTX+AAO+++DUPLICATE BILL OF LADING'
FTX+ABO+++978632'

Data Element Summary

	<u>Data Element</u>	<u>Component Element</u>	<u>Name</u>	<u>Attributes</u>
>>	4451		Text subject qualifier Code specifying subject of a free text.	M an..3
		AAO	Error description (free text) Error described by a free text.	
		ABO	Discrepancy information Free text or coded information to indicate a specific discrepancy.	
X	4453		Text function, coded Code specifying how to handle the text.	C an..3
X	C107		Text Reference Coded reference to a standard text and its source.	C
X		4441	Free text identification Free text in coded form.	M an..17
X		1131	Code list qualifier Identification of a code list.	C an..3
X		3055	Code list responsible agency, coded Code identifying the agency responsible for a code list.	C an..3
	C108		Text Literal Free text; one to five lines.	C
>>		4440	Free text Free text field available to the message sender for information. Actual free text error message	M an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X		4440	Free text Free text field available to the message sender for information.	C an..70
X	3453		Language, coded Code of language (ISO 639-1988).	C an..3

Segment: **UNT** Message Trailer
Position: 0190
Group:
Level: 0
Usage: Mandatory
Max Use: 1
Purpose: To end and check the completeness of a Message
Syntax Notes:
Semantic Notes:
Comments:
Notes: UNT+11+1'

Data Element Summary

	Data Element	Component Element	Name	Attributes
>>	0074		Number of segments in a message Control count of number of segments in a message.	M n..6
>>	0062		Message reference number Unique message reference assigned by the sender. Must match the message reference number in the UNH.	M an..14

APERAK EXAMPLE

UNH+2170001+APERAK:D:97A:UN'
BGM+7+000032329+9+RE'
DTM+137:199801302040:203'
FTX+AAP++DESADV'
RFF+SI:000032329'
NAD+MR+005045919::16'
NAD+FR+17501::92'
ERC+024::116'
RFF+AES:123456'
FTX+AAO+++INVALID SCAC CODE'
FTX+ABO+++32329'
UNT+12+2170001'

APERAK Guideline Change Log

Item Number	Segment Group	Segment	Composite Code	Component	Code Values	Detail of Change
98.1.1	example					Example corrected: NAD change qualifier from 1 to 16 and add a reference number in the RFF.