CBP Automated Export System Trade Interface Requirements

ACE AESTIR Application Advice

August 2, 2013

U.S. Customs and Border Protection

824 Application Advice

<div style="text-align: right;">Functional Group ID=AG</div>

Introduction:

This X12 Transaction Set contains the format and establishes the data content of the Customs and Border Protection's (CBP) "Application Advice" transaction set (824) for use within the context of an Electronic Data Interchange (EDI) environment. It is used by CBP's Automated Export System (AES) to provide the "Commodity Shipment Filing Response" and, when necessary, the "Commodity Shipment Warning Reminder" to CBP's trading partners who transmit export shipment data in X12 format.

Notes:

This Implementation Guide is based on version/release 4050 of the X12 standards.

KEY to User Attributes - CBP's usage of the X12:824 standard.

M or M/U   Mandatory, Must Use
<blank>   Optional/Conditional   (Refer to CBP's Proprietary record format in the AESTIR for the rules for correct usage.)
Not Used   Will not be included in the transmission.

Heading:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
M/U	0050	ISA	Interchange Control Header	O	1	
M/U	0075	GS	Functional Group Header	O	1	
M	0100	ST	Transaction Set Header	M	1	
M	0200	BGN	Beginning Segment	M	1	
			LOOP ID - N1			>1
M/U	0300	N1	Party Identification	O	1	
Not Used	0400	N2	Additional Name Information	O	2	
Not Used	0500	N3	Party Location	O	2	
Not Used	0600	N4	Geographic Location	O	1	
M/U	0700	REF	Reference Information	O	12	
Not Used	0800	PER	Administrative Communications Contact	O	3	

Detail:

User Attribute	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat
			LOOP ID - OTI			>1
M	0100	OTI	Original Transaction Identification	M	1	
Not Used	0200	REF	Reference Information	O	12	
Not Used	0300	DTM	Date/Time Reference	O	2	
Not Used	0400	PER	Administrative Communications Contact	O	3	
Not Used	0500	AMT	Monetary Amount Information	O	>1	
Not Used	0600	QTY	Quantity Information	O	>1	
Not Used	0650	NM1	Individual or Organizational Name	O	9	
			LOOP ID - TED			>1
	0700	TED	Technical Error Description	O	1	
Not Used	0750	CTX	Context	O	10	

Not Used	0800	NTE	Note/Special Instruction	O	100	
Not Used	0820	RED	Related Data	O	100	
			LOOP ID - LM			>1
Not Used	0850	LM	Code Source Information	O	1	
			LOOP ID - LQ			100
Not Used	0860	LQ	Industry Code Identification	M	1	
Not Used	0870	RED	Related Data	O	100	
M	0900	SE	Transaction Set Trailer	M	1	
M/U	0930	GE	Functional Group Trailer	O	1	
M/U	0960	IEA	Interchange Control Trailer	O	1	

			Segment:	**ISA** Interchange Control Header			

Segment: **ISA** Interchange Control Header
Position: 0050
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To start and identify an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
M	ISA01	I01	**Authorization Information Qualifier**	M	1	ID 2/2
			Code identifying the type of information in the Authorization Information			
			01 UCS Communications ID			
M	ISA02	I02	**Authorization Information**	M	1	AN 10/10
			Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)			
			TRANSMITTER ID Identifier of the party that sent the commodity shipment data to the Customs and Border Protection (CBP).			
M	ISA03	I03	**Security Information Qualifier**	M	1	ID 2/2
			Code identifying the type of information in the Security Information			
			01 Password			
M	ISA04	I04	**Security Information**	M	1	AN 10/10
			This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)			
			Communication Password			
M	ISA05	I05	**Interchange ID Qualifier**	M	1	ID 2/2
			Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified			
			ZZ Mutually Defined.			
M	ISA06	I06	**Interchange Sender ID**	M	1	AN 15/15
			Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element			
			"USCSAES" for production data; "USCSAESTEST" for test data.			
M	ISA07	I05	**Interchange ID Qualifier**	M	1	ID 2/2
			Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified			
			FILER ID TYPE Filer ID Type reported in the X12:601:ISA05.			
M	ISA08	I07	**Interchange Receiver ID**	M	1	AN 15/15
			Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them			
			FILER ID Filer ID reported in the X12:601:ISA06.			
M	ISA09	I08	**Interchange Date**	M	1	DT 6/6
			Date of the interchange			
			Date of the response transmission (YYMMDD format).			
M	ISA10	I09	**Interchange Time**	M	1	TM 4/4

			Time of the interchange			
			Time of the response transmission.			
M	**ISA11**	**I65**	**Repetition Separator**	**M**	**1**	**AN 1/1**

Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

> ^   (caret)

M	**ISA12**	**I11**	**Interchange Control Version Number**	**M**	**1**	**ID 5/5**

Code specifying the version number of the interchange control segments

> 00405   Standard approved for publication by the ASC X12 Procedures Review Board.

M	**ISA13**	**I12**	**Interchange Control Number**	**M**	**1**	**N0 9/9**

A control number assigned by the interchange sender

M	**ISA14**	**I13**	**Acknowledgment Requested**	**M**	**1**	**ID 1/1**

Code indicating sender's request for an interchange acknowledgment

> 0   No Interchange Acknowledgment Requested

M	**ISA15**	**I14**	**Interchange Usage Indicator**	**M**	**1**	**ID 1/1**

Code indicating whether data enclosed by this interchange envelope is test, production or information

> "P" for production data; "T" for test data.

M	**ISA16**	**I15**	**Component Element Separator**	**M**	**1**	**AN 1/1**

Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

> ~   (tilde)

Segment: **GS** **Functional Group Header**
Position: 0075
Loop:
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
M	GS01	479	Functional Identifier Code	M	1	ID 2/2

Code identifying a group of application related transaction sets

AG   Application Advice (824)

M	GS02	142	Application Sender's Code	M	1	AN 2/15

Code identifying party sending transmission; codes agreed to by trading partners

"USCSAES" for production data; "USCSAESTEST" for test data.

M	GS03	124	Application Receiver's Code	M	1	AN 2/15

Code identifying party receiving transmission; codes agreed to by trading partners

Same Transmitter ID as in element ISA02.

M	GS04	373	Date	M	1	DT 8/8

Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

Transmission Date.

M	GS05	337	Time	M	1	TM 4/8

Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Transmission Time.

M	GS06	28	Group Control Number	M	1	N0 1/9

Assigned number originated and maintained by the sender

M	GS07	455	Responsible Agency Code	M	1	ID 1/2

Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

X   Accredited Standards Committee X12

M	GS08	480	Version / Release / Industry Identifier Code	M	1	AN 1/12

Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

004050   Standard approved for publication by ASC X12 Procedures Review Board.

Segment: ST **Transaction Set Header**
Position: 0100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code uniquely identifying a Transaction Set			
			824 Application Advice.			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
Not Used	ST03	1705	**Implementation Convention Reference**	O	1	AN 1/35
			Reference assigned to identify Implementation Convention			

Segment:	**BGN** Beginning Segment			
Position:	0200			
Loop:				
Level:	Heading			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To indicate the beginning of a transaction set			

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	BGN01	353	**Transaction Set Purpose Code** Code identifying purpose of transaction set	M 1 ID 2/2
			01 Batch Identification	
M	BGN02	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M 1 AN 1/50
			TRANSMITTER ID Identifier of the party that sent the commodity shipment data to the Customs and Border Protection (CBP). Equivalent AESTIR Proprietary Element: A - Transmitter ID. Equivalent X12:601 Element: ISA02.	
M	BGN03	373	**Date** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M 1 DT 8/8
			TRANSMITTER DATE This is the Filer/Transmitter's date of transmission. Equivalent AESTIR Proprietary Element: A - Transmitter Date. Equivalent X12:601 Element: ISA09.	
Not Used	BGN04	337	**Time** Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)	X 1 TM 4/8
Not Used	BGN05	623	**Time Code** Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	O 1 ID 2/2
M/U	BGN06	127	**Reference Identification** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	O 1 AN 1/50
			APPLICATION IDENTIFIER Identifies the AES output batch type: XT = Commodity Shipment Filing Response. XN = Commodity Shipment Warning Reminder. Equivalent AESTIR Proprietary Element: A - Application Identifier.	
Not Used	BGN07	640	**Transaction Type Code** Code specifying the type of transaction	O 1 ID 2/2
Not Used	BGN08	306	**Action Code** Code indicating type of action	O 1 ID 1/2

Not Used   **BGN09**   **786**   **Security Level Code**   **O**   **1 ID 2/2**
Code indicating the level of confidentiality assigned by the sender to the
information following

Segment: # N1 Party Identification
Position: 0300
Loop: N1   Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	N101	98	**Entity Identifier Code**	M	1	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

			01 Block Identification			
	N102	93	**Name**	X	1	AN 1/60

Free-form name

USPPI NAME

Name of the US Principal Party of Interest (USPPI) for the commodity shipment transactions.

Equivalent AESTIR Proprietary Element: B - USPPI Name.
Equivalent X12:601 Element: N102.

	N103	66	**Identification Code Qualifier**	X	1	ID 1/2

Code designating the system/method of code structure used for Identification Code (67)

USPPI ID TYPE

Type of US Principal Party of Interest ID reported in X12:601:N104.

1   DUNS
24   EIN
34   SSN
ZZ   Foreign Entity

Equivalent AESTIR Proprietary Element: B - USPPI ID Type.
Equivalent X12:601 Element: N103.

The Census Bureau has eliminated the acceptance of SSN on any new filings effective December 3, 2009. Corrections (change, replace or cancel) to SEDs filed with SSN prior to the effective date will continue to be accepted.

	N104	67	**Identification Code**	X	1	AN 2/80

Code identifying a party or other code

USPPI ID

Identifier of the US Principal Party in Interest (USPPI) for the commodity shipments.

Equivalent AESTIR Proprietary Element: B - USPPI ID.
Equivalent X12:601 Element: N104.

Not Used	N105	706	**Entity Relationship Code**	O	1	ID 2/2

Code describing entity relationship

Not Used	N106	98	**Entity Identifier Code**	O	1	ID 2/3

Code identifying an organizational entity, a physical location, property or an individual

			Segment:	**REF** Reference Information			

Segment: **REF** Reference Information
Position: 0700
Loop: N1   Optional (Must Use)
Level: Heading
Usage: Optional (Must Use)
Max Use: 12
Purpose: To specify identifying information

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
M	REF01	128	**Reference Identification Qualifier**	M	1	ID 2/3
			Code qualifying the Reference Identification			
			01 Batch Control Number			
	REF02	127	**Reference Identification**	X	1	AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
			BATCH CONTROL NUMBER			
			Filer/Transmitter's internal batch identifier sent in to the Customs and Border Protection (CBP).			
			Equivalent AESTIR Proprietary Element: A - Batch Control Number. Equivalent X12:601 Element: ISA13.			
Not Used	REF03	352	**Description**	X	1	AN 1/80
			A free-form description to clarify the related data elements and their content			
Not Used	REF04	C040	**Reference Identifier**	O	1	
			To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier			
Not Used	C04001	128	**Reference Identification Qualifier**	M		ID 2/3
			Code qualifying the Reference Identification			
Not Used	C04002	127	**Reference Identification**	M		AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
Not Used	C04003	128	**Reference Identification Qualifier**	X		ID 2/3
			Code qualifying the Reference Identification			
Not Used	C04004	127	**Reference Identification**	X		AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
Not Used	C04005	128	**Reference Identification Qualifier**	X		ID 2/3
			Code qualifying the Reference Identification			
Not Used	C04006	127	**Reference Identification**	X		AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

Segment:	**OTI** Original Transaction Identification			
Position:	0100			
Loop:	OTI	Mandatory		
Level:	Detail			
Usage:	Mandatory			
Max Use:	1			
Purpose:	To identify the edited transaction set and the level at which the results of the edit are reported, and to indicate the accepted, rejected, or accepted-with-change edit result			

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes
M	OTI01	110	**Application Acknowledgment Code**	M 1 ID 1/2
			Code indicating the application system edit results of the business data	
			02 Response Identification	
M	OTI02	128	**Reference Identification Qualifier**	M 1 ID 2/3
			Code qualifying the Reference Identification	
			OTI02 and OTI03 identify the Customs and Border Protection (CBP) Proprietary record represented in the X12 response. OTI02 contains the record ID of the Proprietary record. (A1 represents the A record, B1 the B record, Y1 the Y record, and Z1 represents the Z record.) See the table in OTI03.	
	OTI03	127	**Reference Identification**	C 1 AN 1/50
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	
			OTI03 identifies which instance of the Customs and Border Protection (CBP) Proprietary record is being reported on in the TED segment.	

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OTI02  OTI03
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A1       Filer ID
B1       USPPI ID
SC1      Shipment Reference Number
SC2      Inbond Code  +  Entry Number
SC3      Transportation Reference Number
N01      Party ID or Party Name
         (Party Name will be used if Party ID is not available.)
N02      Address Line 1
N03      City
CL1       Line Number + Commodity Description
CL2       Schedule B/HTS Number
ODT     DDTC Registration Number
EV1      VIN/Product Number
ES1      Internal Tracking Number (ITN) for an accepted shipment
Y1        USPPI ID
Z1        Filer ID
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User Attribute	Ref. Des.	Data Element	Name	Attributes
	OTI04	142	**Application Sender's Code**	O 1 AN 2/15
			Code identifying party sending transmission; codes agreed to by trading partners	
			AES SYSTEM GENERATED RECORD INDICATOR	
			OTI04 = "01" indicates that AES was not able to create the Proprietary record identified in OTI02 from data provided in the X12:601 inbound transmission. Therefore a place-holder Proprietary record was generated in order to create a syntactically correct response. A place-holder record may be generated for the B, SC1, CL1, Y and/or Z Proprietary records (OTI02 = "B1", "SC1", "CL1", "Y1", or "Z1").	
Not Used	OTI05	124	**Application Receiver's Code**	O 1 AN 2/15

			Code identifying party receiving transmission; codes agreed to by trading partners				
Not Used	OTI06	373	**Date**	O	1	DT 8/8
			Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year				
Not Used	OTI07	337	**Time**	O	1	TM 4/8
			Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)				
Not Used	OTI08	28	**Group Control Number**	X	1	N0 1/9
			Assigned number originated and maintained by the sender				
Not Used	OTI09	329	**Transaction Set Control Number**	O	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				
Not Used	OTI10	143	**Transaction Set Identifier Code**	O	1	ID 3/3
			Code uniquely identifying a Transaction Set				
Not Used	OTI11	480	**Version / Release / Industry Identifier Code**	O	1	AN 1/12
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed				
Not Used	OTI12	353	**Transaction Set Purpose Code**	O	1	ID 2/2
			Code identifying purpose of transaction set				
Not Used	OTI13	640	**Transaction Type Code**	O	1	ID 2/2
			Code specifying the type of transaction				
Not Used	OTI14	346	**Application Type**	O	1	ID 2/2
			Code identifying an application				
Not Used	OTI15	306	**Action Code**	O	1	ID 1/2
			Code indicating type of action				
Not Used	OTI16	305	**Transaction Handling Code**	O	1	ID 1/2
			Code designating the action to be taken by all parties				
Not Used	OTI17	641	**Status Reason Code**	O	1	ID 3/3
			Code indicating the status reason				

Segment: **TED** Technical Error Description

Position:	0700
Loop:	TED Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To identify the error and, if feasible, the erroneous segment, or data element, or both

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes		
M	TED01	647	**Application Error Condition Code**	M	1	ID 1/3	
			Code indicating application error condition				

RESPONSE CODE

Code that describes the condition or final disposition. See AESTIR Appendix A - "Commodity Filing Response Messages."

Equivalent AESTIR Proprietary Element: ES1 - Response Code.

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M/U	TED02	3	**Free Form Message**	O	1	AN 1/60
			Free-form text			

RESPONSE MESSAGE

Format:

SEVERITY IND + blank + FINAL DISPOSITION IND + blank + NARRATIVE TEXT

Where:

Severity Indicator - is 1 byte, alphabetic in position 1.
Final Disposition Indicator - is 1 byte, alphabetic in position 3.
Narrative Text - is up to 40 bytes, alphanumeric starting in position 5.

There is a 1 byte space between the Severity Indicator and the Final Disposition Indicator, and a 1 byte space between the Final Disposition Indicator and the start of the message text. The Final Disposition Indicator is only present when OTI02 = "ES1".

Maximum length of the Response Message - 44 bytes.

Equivalent AESTIR Proprietary Elements: ES1 - Severity Indicator, Final Disposition Indicator, Narrative Text.

User Attribute	Ref. Des.	Data Element	Name		Attributes	
	TED03	721	**Segment ID Code**	O	1	ID 2/3
			Code defining the segment ID of the data segment in error (See Appendix A - Number 77)			

The X12:601 segment that contributed all or most of the data to build the Customs and Border Protection (CBP) Proprietary record that is now being reported on in this occurrence of the TED segment.

User Attribute	Ref. Des.	Data Element	Name		Attributes	
Not Used	TED04	719	**Segment Position in Transaction Set**	O	1	N0 1/6
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1			
Not Used	TED05	C030	**Position in Segment**	O	1	
			Code indicating the relative position of the simple data element or composite data structure in error within a segment, count beginning with 1 for the position immediately following the segment ID; additionally indicating the relative position of a repeating structure in error, count beginning with 1 for the position immediately following the preceding element separator; additionally			

indicating the relative position of a component of a composite data structure in error, count beginning with 1 for the position following the preceding element or repetition separator

Not Used	C03001	722	**Element Position in Segment**	**M**		**N0 1/2**

This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID

Not Used	C03002	1528	**Component Data Element Position in Composite**	**O**		**N0 1/2**

To identify the component data element position within the composite that is in error

Not Used	C03003	1686	**Repeating Data Element Position**	**O**		**N0 1/4**

To identify the specific repetition of a data element that is in error

Not Used	TED06	C999	**Reference in Segment**	**O**	**1**	

To hold the reference number of a data element and optionally a component data element within a composite

Not Used	C99901	725	**Data Element Reference Number**	**M**		**N0 1/4**

Reference number used to locate the data element in the Data Element Dictionary

Not Used	C99902	725	**Data Element Reference Number**	**O**		**N0 1/4**

Reference number used to locate the data element in the Data Element Dictionary

Not Used	TED07	724	**Copy of Bad Data Element**	**O**	**1**	**AN 1/99**

This is a copy of the data element in error

Not Used	TED08	961	**Data Element New Content**	**O**	**1**	**AN 1/99**

New data which has replaced erroneous data

Segment: SE **Transaction Set Trailer**
Position: 0900
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	SE01	96	**Number of Included Segments**	M	1	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments			
M	SE02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment: # GE Functional Group Trailer
Position: 0930
Loop:
Level: Detail
Usage: Optional (Must Use)
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name	Attributes		
M	GE01	97	**Number of Transaction Sets Included**	M	1	N0 1/6
			Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
M	GE02	28	**Group Control Number**	M	1	N0 1/9
			Assigned number originated and maintained by the sender			

	Segment:	**IEA** Interchange Control Trailer
	Position:	0960
	Loop:	
	Level:	Detail
	Usage:	Optional (Must Use)
	Max Use:	1
	Purpose:	To define the end of an interchange of zero or more functional groups and interchange-related control segments

Data Element Summary

User Attribute	Ref. Des.	Data Element	Name		Attributes	
M	IEA01	I16	**Number of Included Functional Groups**	M	1	N0 1/5
			A count of the number of functional groups included in an interchange			
M	IEA02	I12	**Interchange Control Number**	M	1	N0 9/9
			A control number assigned by the interchange sender			