

EFS 997 Functional Acknowledgment

X12/V4010/997: 997 Functional Acknowledgment

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997

Functional Acknowledgment

Functional Group=FA

This Draft Standard for Trial Use contains the format and establishes the data contents of the Functional Acknowledgment Transaction Set (997) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to define the control structures for a set of acknowledgments to indicate the results of the syntactical analysis of the electronically encoded documents. The encoded documents are the transaction sets, which are grouped in functional groups, used in defining transactions for business data interchange. This standard does not cover the semantic meaning of the information encoded in the transaction sets.

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1		N1/010	Must use
020	AK1	Functional Group Response Header	M	1		N1/020	Must use

<u>LOOP ID - AK2</u>			<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
030	AK2	Transaction Set Response Header	O	1	999999	N1/030L	Used
<u>LOOP ID - AK3</u>			<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
040	AK3	Data Segment Note	O	1	999999	C1/040	Used
050	AK4	Data Element Note	O	99			Used
060	AK5	Transaction Set Response Trailer	M	1			Must use
070	AK9	Functional Group Response Trailer	M	1			Must use
080	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

- 1/010 These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
The Functional Group Header Segment (GS) is used to start the envelope for the Functional Acknowledgment Transaction Sets. In preparing the functional group of acknowledgments, the application sender's code and the application receiver's code, taken from the functional group being acknowledged, are exchanged; therefore, one acknowledgment functional group responds to only those functional groups from one application receiver's code to one application sender's code. There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
- 1/020 AK1 is used to respond to the functional group header and to start the acknowledgement for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
- 1/030 AK2 is used to start the acknowledgement of a transaction set within the received functional group. The AK2 segments shall appear in the same order as the transaction sets in the functional group that has been received and is being acknowledged.

Comments:

- 1/040 The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (for example, on the ability of the receiver to comply with the request of the sender).

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

User Option (Usage): Must use

To start and identify an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ISA01	I01	Authorization Information Qualifier Description: Code identifying the type of information in the Authorization Information	M	ID	2/2	Must use	1
		Code Name					
		00 No Authorization Information Present (No Meaningful Information in I02)					
ISA02	I02	Authorization Information Description: 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)	M	AN	10/10	Must use	1
ISA03	I03	Security Information Qualifier Description: Code identifying the type of information in the Security Information	M	ID	2/2	Must use	1
		Code Name					
		00 No Security Information Present (No Meaningful Information in I04)					
ISA04	I04	Security Information Description: 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)	M	AN	10/10	Must use	1
ISA05	I05	Interchange ID Qualifier Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use	1
		User Note 1: <i>EFS Interchange ID Qualifier is "08" for both Test and Production.</i>					
		Code Name					
		01 Duns (Dun & Bradstreet)					
		07 Global Location Number (GLN) Description: A globally unique 13 digit code for the identification of a legal, functional or physical location within the Uniform Code Council (UCC) and International Article Number Association (EAN) numbering system					
		08 UCC EDI Communications ID (Comm ID)					
		14 Duns Plus Suffix					
		16 Duns Number With 4-Character Suffix					
		ZZ Mutually Defined					
ISA06	I06	Interchange Sender ID Description: 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	M	AN	15/15	Must use	1
		User Note 1: <i>EFS Interchange Sender/Receiver ID for Test is "422520TEST" for Production it's</i>					

		"4225200000"					
ISA07	I05	Interchange ID Qualifier Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use	1
ISA08	I07	Interchange Receiver ID Description: 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	M	AN	15/15	Must use	1
ISA09	I08	Interchange Date Description: Date of the interchange	M	DT	6/6	Must use	1
ISA10	I09	Interchange Time Description: Time of the interchange	M	TM	4/4	Must use	1
ISA11	I65	Repetition Separator Description: 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	M		1/1	Must use	1
ISA12	I11	Interchange Control Version Number Description: Code specifying the version number of the interchange control segments	M	ID	5/5	Must use	1
		Code	Name				
		00400	ASC X12 Standards Issued by ANSI in 1997				
		00401	Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997				
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use	1
ISA14	I13	Acknowledgment Requested Description: Code indicating sender's request for an interchange acknowledgment	M	ID	1/1	Must use	1
		Code	Name				
		0	No Interchange Acknowledgment Requested				
ISA15	I14	Interchange Usage Indicator Description: Code indicating whether data enclosed by this interchange envelope is test, production or information	M	ID	1/1	Must use	1
		Code	Name				
		P	Production Data				
		T	Test Data				
ISA16	I15	Component Element Separator Description: 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	M		1/1	Must use	1

GS**Functional Group Header**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

User Option (Usage): Must use

To indicate the beginning of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use	1
		Code Name FA Functional Acknowledgment (997)					
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners User Note 1: EFS GS02 Application Sender's/Receiver's code is "4225200000" for Test and Production.	M	AN	2/15	Must use	1
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners	M	AN	2/15	Must use	1
GS04	373	Date Description: Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	M	DT	8/8	Must use	1
GS05	337	Time Description: 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)	M	TM	4/8	Must use	1
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1
GS07	455	Responsible Agency Code Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480	M	ID	1/2	Must use	1
		Code Name X Accredited Standards Committee X12					
GS08	480	Version / Release / Industry Identifier Code Description: 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	M	AN	1/12	Must use	1

assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

<u>Code</u>	<u>Name</u>
004010	Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the start of a transaction set and to assign a control number

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use	1
		Code Name 997 Functional Acknowledgment					
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

AK1 Functional Group Response Header

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To start acknowledgment of a functional group

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
AK101	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use	1
		Code Name					
		AG Application Advice (824)					
		GP Grocery Products Invoice (880)					
		IN Invoice Information (810,819)					
		OG Order Group - Grocery (875, 876)					
		PO Purchase Order (850)					
		PR Purchase Order Acknowledgement (855)					
		QG Product Information (878, 879, 888, 889, 893, 896)					
		SH Ship Notice/Manifest (856)					
AK102	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1

Semantics:

1. AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
2. AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.

Loop AK2

Pos: 030	Repeat: 999999
Optional	
Loop: AK2	Elements: N/A

To start acknowledgment of a single transaction set

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
030	AK2	Transaction Set Response Header	O	1		Used
040		Loop AK3	O		999999	Used
060	AK5	Transaction Set Response Trailer	M	1		Must use

AK2 Transaction Set Response Header

Pos: 030	Max: 1
Heading - Optional	
Loop: AK2	Elements: 2

User Option (Usage): Used

To start acknowledgment of a single transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
AK201	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use	1
		Code Name					
		810 Invoice					
		850 Purchase Order					
		855 Purchase Order Acknowledgment					
		856 Ship Notice/Manifest					
		880 Grocery Products Invoice					
		888 Item Maintenance					
		997 Functional Acknowledgment					
AK202	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

Semantics:

1. AK201 is the transaction set ID found in the ST segment (ST01) in the transaction set being acknowledged.
2. AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

Loop AK3

Pos: 040	Repeat: 999999
Optional	
Loop: AK3	Elements: N/A

To report errors in a data segment and identify the location of the data segment

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	AK3	Data Segment Note	O	1		Used
050	AK4	Data Element Note	O	99		Used

AK3 Data Segment Note

Pos: 040	Max: 1
Heading - Optional	
Loop: AK3	Elements: 4

User Option (Usage): Used

To report errors in a data segment and identify the location of the data segment

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
AK301	721	Segment ID Code Description: Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	M	ID	2/3	Must use	1
AK302	719	Segment Position in Transaction Set Description: The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1	M	N0	1/6	Must use	1
AK303	447	Loop Identifier Code Description: The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE	O	AN	1/6	Used	1
AK304	720	Segment Syntax Error Code Description: Code indicating error found based on the syntax editing of a segment	O	ID	1/3	Used	1
		<u>Code</u>		<u>Name</u>			
		1		Unrecognized segment ID			
		2		Unexpected segment			
		3		Mandatory segment missing			
		4		Loop Occurs Over Maximum Times			
		5		Segment Exceeds Maximum Use			
		6		Segment Not in Defined Transaction Set			
		7		Segment Not in Proper Sequence			
		8		Segment Has Data Element Errors			

AK4 Data Element Note

Pos: 050	Max: 99
Heading - Optional	
Loop: AK3	Elements: 4

User Option (Usage): Used

To report errors in a data element or composite data structure and identify the location of the data element

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>																						
AK401	C030	Position in Segment Description: Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID	M	Comp		Must use	1																						
	722	Element Position in Segment Description: 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	M	N0	1/2	Must use	1																						
	1528	Component Data Element Position in Composite Description: To identify the component data element position within the composite that is in error	O	N0	1/2	Used	1																						
AK402	725	Data Element Reference Number Description: Reference number used to locate the data element in the Data Element Dictionary	O	N0	1/4	Used	1																						
AK403	723	Data Element Syntax Error Code Description: Code indicating the error found after syntax edits of a data element	M	ID	1/3	Must use	1																						
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Mandatory data element missing</td> </tr> <tr> <td>2</td> <td>Conditional required data element missing.</td> </tr> <tr> <td>3</td> <td>Too many data elements.</td> </tr> <tr> <td>4</td> <td>Data element too short.</td> </tr> <tr> <td>5</td> <td>Data element too long.</td> </tr> <tr> <td>6</td> <td>Invalid character in data element.</td> </tr> <tr> <td>7</td> <td>Invalid code value.</td> </tr> <tr> <td>8</td> <td>Invalid Date</td> </tr> <tr> <td>9</td> <td>Invalid Time</td> </tr> <tr> <td>10</td> <td>Exclusion Condition Violated</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	1	Mandatory data element missing	2	Conditional required data element missing.	3	Too many data elements.	4	Data element too short.	5	Data element too long.	6	Invalid character in data element.	7	Invalid code value.	8	Invalid Date	9	Invalid Time	10	Exclusion Condition Violated					
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7	Invalid code value.																												
8	Invalid Date																												
9	Invalid Time																												
10	Exclusion Condition Violated																												
AK404	724	Copy of Bad Data Element Description: This is a copy of the data element in error	O	AN	1/99	Used	1																						

Semantics:

1. In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.

AK5 Transaction Set Response Trailer

Pos: 060	Max: 1
Heading - Mandatory	
Loop: AK2	Elements: 6

User Option (Usage): Must use

To acknowledge acceptance or rejection and report errors in a transaction set

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
AK501	717	Transaction Set Acknowledgment Code Description: Code indicating accept or reject condition based on the syntax editing of the transaction set	M	ID	1/1	Must use	1
		Code Name					
		A Accepted					
		E Accepted But Errors Were Noted					
		R Rejected					
AK502	718	Transaction Set Syntax Error Code Description: Code indicating error found based on the syntax editing of a transaction set	O	ID	1/3	Used	1
		Code Name					
		1 Transaction Set Not Supported					
		2 Transaction Set Trailer Missing					
		3 Transaction Set Control Number in Header and Trailer Do Not Match					
		4 Number of Included Segments Does Not Match Actual Count					
		5 One or More Segments in Error					
		6 Missing or Invalid Transaction Set Identifier					
		7 Missing or Invalid Transaction Set Control Number					
		10 Requested Service (Authentication or Encrypted) Not Available					
		17 Security Not Supported					
		23 Transaction Set Control Number Not Unique within the Functional Group					
AK503	718	Transaction Set Syntax Error Code Description: Code indicating error found based on the syntax editing of a transaction set	O	ID	1/3	Used	1
AK504	718	Transaction Set Syntax Error Code Description: Code indicating error found based on the syntax editing of a transaction set	O	ID	1/3	Used	1
AK505	718	Transaction Set Syntax Error Code Description: Code indicating error found based on the syntax editing of a transaction set	O	ID	1/3	Used	1
AK506	718	Transaction Set Syntax Error Code Description: Code indicating error found based on the syntax editing of a transaction set	O	ID	1/3	Used	1

AK9 Functional Group Response Trailer

Pos: 070	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 9

User Option (Usage): Must use

To acknowledge acceptance or rejection of a functional group and report the number of included transaction sets from the original trailer, the accepted sets, and the received sets in this functional group

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
AK901	715	Functional Group Acknowledge Code Description: Code indicating accept or reject condition based on the syntax editing of the functional group	M	ID	1/1	Must use	1
		Code Name					
		A Accepted					
		E Accepted, But Errors Were Noted.					
		P Partially Accepted, At Least One Transaction Set Was Rejected					
		R Rejected					
AK902	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use	1
AK903	123	Number of Received Transaction Sets Description: Number of Transaction Sets received	M	N0	1/6	Must use	1
AK904	2	Number of Accepted Transaction Sets Description: Number of accepted Transaction Sets in a Functional Group	M	N0	1/6	Must use	1
AK905	716	Functional Group Syntax Error Code Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID	1/3	Used	1
		Code Name					
		1 Functional Group Not Supported					
		2 Functional Group Version Not Supported					
		3 Functional Group Trailer Missing					
		4 Group Control Number in the Functional Group Header and Trailer Do Not Agree					
		5 Number of Included Transaction Sets Does Not Match Actual Count					
		6 Group Control Number Violates Syntax					
		12 Requested Service (Authentication or Encryption) Not Available					
		16 Security Not Supported					
AK906	716	Functional Group Syntax Error Code Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID	1/3	Used	1
AK907	716	Functional Group Syntax Error Code Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID	1/3	Used	1
AK908	716	Functional Group Syntax Error Code Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID	1/3	Used	1

AK909	716	Functional Group Syntax Error Code Description: Code indicating error found based on the syntax editing of the functional group header and/or trailer	O	ID	1/3	Used	1
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Comments:

1. If AK901 contains the value "A" or "E", then the transmitted functional group is accepted.

SE Transaction Set Trailer

Pos: 080	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10	Must use	1
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9	Must use	1

Comments:

1. SE is the last segment of each transaction set.

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To indicate the end of a functional group and to provide control information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
GE01	97	Number of Transaction Sets Included Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M	N0	1/6	Must use	1
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use	1

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA**Interchange Control Trailer**

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

To define the end of an interchange of zero or more functional groups and interchange-related control segments

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>	<u>Rep</u>
IEA01	I16	Number of Included Functional Groups Description: A count of the number of functional groups included in an interchange	M	N0	1/5	Must use	1
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use	1