

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>999999</u>	<u>N1/030L</u>	
030	AK2	Transaction Set Response Header	O	1		N1/030	Used
<u>LOOP ID - AK3</u>					<u>999999</u>	<u>C1/040L</u>	
040	AK3	Data Segment Note	O	1		C1/040	Used
050	AK4	Data Element Note	O	99			Used
060	AK5	Transaction Set Response Trailer	O	1			Used
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

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>
ISA01	I01	Authorization Information Qualifier Description: Code to identify the type of information in the Authorization Information	M	ID	2/2	Must use
		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
		Note: <i>Spaces</i>				
ISA03	I03	Security Information Qualifier Description: Code to identify the type of information in the Security Information	M	ID	2/2	Must use
		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
		Note: <i>Spaces</i>				
ISA05	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		Note: <i>Qualifier Selected by Sender</i>				
		Code Name 01 Duns (Dun & Bradstreet) 08 UCC EDI Communications ID (Comm ID) 12 Phone (Telephone Companies) 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
		Note: <i>Sender ID Selected by Sender</i>				
ISA07	I05	Interchange ID Qualifier Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified	M	ID	2/2	Must use
		Note: <i>Qualifier selected by receiver</i>				

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 Note: <i>Receiver ID selected by Receiver</i>	M	AN	15/15	Must use
ISA09	I08	Interchange Date Description: Date of the interchange Note: <i>Date ISA was generated -- YYYYMMDD</i>	M	DT	6/6	Must use
ISA10	I09	Interchange Time Description: Time of the interchange: HHMM Note: <i>Time ISA was generated -- HHMM</i>	M	TM	4/4	Must use
ISA11	I10	Interchange Control Standards Identifier Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used.	M	ID	1/1	Must use
ISA12	I11	Interchange Control Version Number Description: Code specifying the version number of the interchange control segments Code Name 00401 Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	ID	5/5	Must use
ISA13	I12	Interchange Control Number Description: A control number assigned by the interchange sender Note: <i>Sender assigned sequential number starting with 1 incremented by 1 for each transmission.</i>	M	N0	9/9	Must use
ISA14	I13	Acknowledgment Requested Description: Code sent by the sender to request an interchange acknowledgment (TA1) Code Name 0 No Acknowledgment Requested	M	ID	1/1	Must use
ISA15	I14	Usage Indicator Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information Code Name P Production Data T Test Data	M	ID	1/1	Must use
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 Note: <i>">"</i>	M		1/1	Must use

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>
GS01	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets	M	ID	2/2	Must use
		Code Name AN Return Merchandise Authorization and Notification (180)				
GS02	142	Application Sender's Code Description: Code identifying party sending transmission; codes agreed to by trading partners Note: <i>Sender ID selected by Sender</i>	M	AN	2/15	Must use
GS03	124	Application Receiver's Code Description: Code identifying party receiving transmission; codes agreed to by trading partners Note: <i>Receiver ID selected by receiver</i>	M	AN	2/15	Must use
GS04	373	Date Description: Date expressed as CCYYMMDD Note: <i>Date GS was generated - CCYYMMDD</i>	M	DT	8/8	Must use
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) Note: <i>Time GS was generated - HHMM</i>	M	TM	4/8	Must use
GS06	28	Group Control Number Description: Assigned number originated and maintained by the sender Note: <i>Sender assigned sequential number starting with 1 incremented by 1 for each transmission.</i>	M	N0	1/9	Must use
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
		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 assigned by	M	AN	1/12	Must use

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

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

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>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3	Must use
		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

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>												
AK101	479	Functional Identifier Code Description: Code identifying a group of application related transaction sets Note: Choose transaction code that applies to transaction being acknowledged.	M	ID	2/2	Must use												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>AN</td> <td>Return Merchandise Authorization and Notification (180)</td> </tr> <tr> <td>IN</td> <td>Invoice Information (810,819)</td> </tr> <tr> <td>PC</td> <td>Purchase Order Change Request - Buyer Initiated (860)</td> </tr> <tr> <td>PO</td> <td>Purchase Order (850)</td> </tr> <tr> <td>SH</td> <td>Ship Notice/Manifest (856)</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	AN	Return Merchandise Authorization and Notification (180)	IN	Invoice Information (810,819)	PC	Purchase Order Change Request - Buyer Initiated (860)	PO	Purchase Order (850)	SH	Ship Notice/Manifest (856)				
<u>Code</u>	<u>Name</u>																	
AN	Return Merchandise Authorization and Notification (180)																	
IN	Invoice Information (810,819)																	
PC	Purchase Order Change Request - Buyer Initiated (860)																	
PO	Purchase Order (850)																	
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												

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>												
AK201	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set Note: Choose transaction code that applies to transaction being acknowledged.	O	ID	3/3	Used												
		<table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>180</td> <td>Return Merchandise Authorization and Notification</td> </tr> <tr> <td>810</td> <td>Invoice</td> </tr> <tr> <td>850</td> <td>Purchase Order</td> </tr> <tr> <td>856</td> <td>Ship Notice/Manifest</td> </tr> <tr> <td>860</td> <td>Purchase Order Change Request - Buyer Initiated</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	180	Return Merchandise Authorization and Notification	810	Invoice	850	Purchase Order	856	Ship Notice/Manifest	860	Purchase Order Change Request - Buyer Initiated				
<u>Code</u>	<u>Name</u>																	
180	Return Merchandise Authorization and Notification																	
810	Invoice																	
850	Purchase Order																	
856	Ship Notice/Manifest																	
860	Purchase Order Change Request - Buyer Initiated																	
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	O	AN	4/9	Used												

AK3 Data Segment Note

Pos: 040	Max: 1
Heading - Optional	
Loop: AK3	Elements: 2

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>
AK301	721	Segment ID Code Description: Code defining the segment ID of the data segment in error (See Appendix A - Number 77)	O	ID	2/3	Used
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	O	N0	1/6	Used

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>
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	O	Comp		Used
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
AK403	723	Data Element Syntax Error Code Description: Code indicating the error found after syntax edits of a data element All valid standard codes are used.	O	ID	1/3	Used
AK404	724	Copy of Bad Data Element Description: This is a copy of the data element in error	O	AN	1/99	Used

AK5 Transaction Set Response Trailer

Pos: 060	Max: 1
Heading - Optional	
Loop: AK2	Elements: 2

User Option (Usage): Used

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>
AK501	717	Transaction Set Acknowledgment Code Description: Code indicating accept or reject condition based on the syntax editing of the transaction set	O	ID	1/1	Used
		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 All valid standard codes are used.	O	ID	1/3	Used

AK9 Functional Group Response Trailer

Pos: 070	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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>								
AK901	715	Functional Group Acknowledge Code Description: Code indicating accept or reject condition based on the syntax editing of the functional group <table border="1"> <thead> <tr> <th><u>Code</u></th> <th><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>A</td> <td>Accepted</td> </tr> <tr> <td>E</td> <td>Accepted, But Errors Were Noted.</td> </tr> <tr> <td>R</td> <td>Rejected</td> </tr> </tbody> </table>	<u>Code</u>	<u>Name</u>	A	Accepted	E	Accepted, But Errors Were Noted.	R	Rejected	M	ID	1/1	Must use
<u>Code</u>	<u>Name</u>													
A	Accepted													
E	Accepted, But Errors Were Noted.													
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								
AK903	123	Number of Received Transaction Sets Description: Number of Transaction Sets received	M	N0	1/6	Must use								
AK904	2	Number of Accepted Transaction Sets Description: Number of accepted Transaction Sets in a Functional Group	M	N0	1/6	Must use								

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>
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
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

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>
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
GE02	28	Group Control Number Description: Assigned number originated and maintained by the sender	M	N0	1/9	Must use

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>
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
IEA02	I12	Interchange Control Number Description: A control number assigned by the interchange sender	M	N0	9/9	Must use