

997 Functional Acknowledgment

Functional Group ID=FA

Introduction:

This Standard 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.

Heading:

<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>
000	ISA	Interchange Control Header	M	1	
000	GS	Functional Group Header	M	1	
010	ST	Transaction Set Header	M	1	

Detail:

<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>
020	AK1	Functional Group Response Header	M	1	
030	AK2	Transaction Set Response Header	O	1	
060	AK5	Transaction Set Response Trailer	O	1	
070	AK9	Functional Group Response Trailer	M	1	

Summary:

<u>Pos.</u> <u>No.</u>	<u>Seg.</u> <u>ID</u>	<u>Name</u>	<u>Req.</u> <u>Des.</u>	<u>Max.Use</u>	<u>Loop</u> <u>Repeat</u>
080	SE	Transaction Set Trailer	M	1	
000	GE	Functional Group Trailer	M	1	
000	IEA	Interchange Control Trailer	M	1	

Segment: **ISA** Interchange Control Header
Position: 000
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of one or more functional groups and interchange related control segments.
Notes: Data Element Separator: '^'
Sub Element Separator: '>'
Segment Terminator: '~'

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ISA01	I01	Authorization Information Qualifier	M ID 2/2
		00 No Authorization Information Present	
ISA02	I02	Authorization Information	M AN 10/10
ISA03	I03	Security Information Qualifier	M ID 2/2
		00 No Security Information Present	
ISA04	I04	Security Information	M AN 10/10
ISA05	I05	Interchange ID Qualifier	M ID 2/2
ISA06	I06	Interchange Sender's ID	M AN 15/15
ISA07	I05	Interchange ID Qualifier	M ID 2/2
		01 B&H Qualifier	
ISA08	I07	Interchange Receiver's ID	M AN 15/15
		116012659T B&H Test ID	
		116012659 B&H Production ID	
ISA09	I08	Interchange Date	M DT 6/6
ISA10	I09	Interchange Time	M TM 4/4
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1
		U U.S. EDI Community of ASC X12, TDCC, and UCS	
ISA12	I11	Interchange Control Version Number	M ID 5/5
		00410 Release 4010	
ISA13	I12	Interchange Control Number	M NO 9/9
		A control number assigned by the interchange sender	
ISA14	I13	Acknowledgement Requested	M ID 1/1
		Code sent by the sender to request an interchange acknowledgement	
ISA15	I14	Test Indicator	M ID 1/1
		T Test Data	
		P Production Data	
ISA16	I15	Component (Sub) Element Separator	M AN 1/1
		> Delimiter used as Component Element Separator	

EXAMPLE: ISA^00^ ^00^ ZZ^THEIR ^01^116012659T
^061009^0759^U^00401^00000001^0^T^>~

Segment: **GS** Functional Group Header
Position: 000
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information.

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
GS01	479	Functional Identifier Code	M ID 2/2
		FA Functional Acknowledgement	
GS02	142	Application Sender's Code	M AN 2/15
GS03	124	Application Receiver's Code	M AN 2/15
GS04	29	Data Interchange Date	M DT 8/8
GS05	30	Data Interchange Time	M TM 4/4
GS06	28	Data Interchange Control Number	M NO 1/9
GS07	455	Responsible Agency Code	M ID 1/2
		Code used in conjunction with data Element 480 to identify the issuer of the standard.	
GS08	480	Version/Release/Industry Identifier Code	M AN 1/12

EXAMPLE: GS^FA^THEIR^116012659T^20061009^0759^1^X^004010~

Segment: **ST** Transaction Set Header
Position: 010
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			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		997 Functional Acknowledgment	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set	
		functional group assigned by the originator for a transaction set	

EXAMPLE: ST^997^0001

Segment: **AK1** Functional Group Response Header
Position: 020
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgment of functional group

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
AK101	479	Functional Identifier Code	M ID 2/2
		Code identifying a group of application related transaction sets. This is the functional group ID of the group that is being acknowledged, e.g. if a purchase order group is being acknowledged, the value would be PO: it is the value sent in GS01 for the original transmission.	
		PO Purchase Order (850)	
AK102	28	Group Control Number	M R 1/9
		Assigned number originated and maintained by the sender. This is the control number assigned to the group being acknowledged, e.g. this is the control number assigned by the sender of the original transmission. It is the value sent in GS06 for the original transmission.	

EXAMPLE: AK1^PO^393

Segment: **AK2** Transaction Set Response Header
Position: 030
Loop:
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To start acknowledgment of a single transaction set

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
AK201	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set. This is the transaction set ID of the transaction being acknowledged, e.g., if a purchase order is being acknowledged, the value would be 850; it is the value sent in ST01 for the original transmission	
		850 Purchase Order	
AK202	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set. This is the control number assigned to the transaction set being acknowledged, e.g., this is the control number assigned by the sender of the original transmission. It is the value sent in ST02 for the original transmission.	

EXAMPLE: AK2^850^150001

Segment: **AK5** Transaction Set Response Trailer
Position: 060
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
AK501	717	Transaction Set Acknowledgment Code	M ID 1/1
		Code indicating accept or reject condition based on the syntax editing of the transaction set	
		A Accepted	
		E Accepted but Errors Were Noted	
		R Rejected	

EXAMPLE: AK5^A

Segment: **AK9** Functional Group Response Trailer
Position: 070
Loop:
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: 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.

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
AK901	715	Functional Group Acknowledge Code	M ID 1/1
		Code indicating accept or reject condition based on the syntax editing of the functional group	
		A Accepted	
		E Accepted, But Errors Were Noted	
		P Partially Accepted, at least 1 transaction set was rejected	
		R Rejected	
AK902	97	Number of Transaction Sets Included	M R 1/6
		Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.	
AK903	123	Number of Received Transaction Sets	M R 1/6
AK904	2	Number of Accepted Transaction Sets	M R 1/6

EXAMPLE: AK9^A^25^25^25

Segment: **SE** Transaction Set Trailer
Position: 030
Loop:
Level: Summary
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				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number 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

EXAMPLE: SE^20^0001

Segment: **GE** Functional Group Trailer
Position: 000
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
GE01	97	Number of Transaction Sets Included	M NO 1/6
		Total number of transaction sets in functional group.	
GE02	28	Group Control Number	M NO 1/9
		This value must be identical to the data element value in GS06 in the associated functional group header.	

EXAMPLE: GE^46^1~

Segment: **IEA** Interchange Control Trailer
Position: 000
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an one or more functional groups and interchange-related control segments.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
IEA01	479	Functional Identifier Code	M NO 1/5
		A count of the number of functional groups included in an interchange.	
IEA02	142	Interchange Control Number	M NO 1/9
		This value must be identical to the data element value in ISA13 in the associated interchange control header.	

EXAMPLE: IEA^1^000000001~