



997 Functional Acknowledgment

X12/V3040/997 : 997 Functional Acknowledgment

Version: 1.0

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997 Functional Acknowledgment

Functional Group=FA

Purpose: 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.

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
070	AK9	Functional Group Response Trailer	M	1			Must use
080	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 1/010 These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments. 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.

Simplot Example:

```
ISA\001  \001  \ZZ\9999999999999999 \ZZ\9999999999999999 \250304\1449\U\00200\000661107\0\PI\>#
GS\FA\9999999999999999\9999999999999999\1449\122419\X\003040#
ST\997\123456#
AK1\AR\111111#
AK9\A\1111#
SE\4\123456#
GE\1\122419#
IEA\1\000661107#
```

ST Transaction Set Header

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

User Option (Usage): Must use

Purpose: 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	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set.

Code List Summary (Total Codes: 236, Included: 1)

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

AK1 Functional Group Response Header

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

User Option (Usage): Must use

Purpose: 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	M	ID	2/2	Must use

Description: Code identifying a group of application related Transaction Sets.

Code List Summary (Total Codes: 147, Included: 12)

Code Name

- AN Return Merchandise Authorization and Notification (180)
- AR Warehouse Stock Transfer Shipment Advice (943)
- AW Warehouse Inventory Adjustment Advice (947)
- IB Inventory Inquiry/Advice (846)
- IN Invoice Information (810,819)
- OW Warehouse Shipping Order (940)
- PO Purchase Order (850)
- PR Purchase Order Acknowledgement (855)
- RC Receiving Advice/Acceptance Certificate (861)
- RE Warehouse Stock Receipt Advice (944)
- SH Ship Notice/Manifest (856)
- SW Warehouse Shipping/Delivery Information (945, 946)

AK102	28	Group Control Number	M	N0	1/9	Must use
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Description: Assigned number originated and maintained by the sender.

AK9 Functional Group Response Trailer

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

User Option (Usage): Must use

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.

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	M	ID	1/1	Must use				
<p>Description: Code indicating accept or reject condition based on the syntax editing of the functional group.</p> <p>Code List Summary (Total Codes: 6, Included: 1)</p> <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> </tbody> </table>							<u>Code</u>	<u>Name</u>	A	Accepted
<u>Code</u>	<u>Name</u>									
A	Accepted									
AK902	97	Number of Transaction Sets Included	M	N0	1/6	Must use				
<p>Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element.</p>										
AK903	123	Number of Received Transaction Sets	M	N0	1/6	Must use				
<p>Description: Number of Transaction Sets received.</p>										
AK904	2	Number of Accepted Transaction Sets	M	N0	1/6	Must use				
<p>Description: Number of accepted Transaction Sets in a Functional Group.</p>										

SE Transaction Set Trailer

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

User Option (Usage): Must use

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).

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	M	N0	1/10	Must use
		Description: Total number of segments included in a transaction set including ST and SE segments.				
SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				