



997 Functional Acknowledgement
Version 003010

Overview

A 997 is used to acknowledge receipt of a transaction set. The 997 (Functional Acknowledgment) is only a syntactical check of the data, it will not verify data content.

All transaction sets must be acknowledged except for the 864. All transaction sets must be acknowledged within 1 hour of receipt.

Newcor will send a 997 to acknowledge receipt of an ASN.

Introduction

This standard provides the format of a functional acknowledgment transaction set.

Heading

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	AK1	Functional Group Response Header	M	1		
			LOOP ID - AK2			999999	
Must Use	030	AK2	Transaction Set Response Header	M	1		
Must Use	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		

Transaction Set Notes

1. These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of acknowledgments of acknowledgments.
2. 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.

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
Syntax Notes:
Semantic Notes:
Comments: 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set.

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 Code uniquely identifying a Transaction Set 997 X12.20 Functional Acknowledgment	M ID 3/3
>>	ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Segment: **AK1** Functional Group Response Header
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgment of a functional group
Syntax Notes:
Semantic Notes:
Comments:

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 Code identifying a group of application related transaction sets	M ID 2/2
>>	AK102	28	Group Control Number Assigned number originated and maintained by the sender	M NO 1/9

Segment: **AK2** Transaction Set Response Header
Position: 030
Loop: AK2 Mandatory
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To start acknowledgment of a single transaction set
Syntax Notes:
Semantic Notes:
Comments: 1 AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	AK201	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3
			830 X12.14 Planning Schedule	
			856 X12.10 Ship Notice/Manifest	
			If an 856 transaction set (ASN) is received into Vendor Release through EDI, Vendor Release will automatically create a 997 with an AK201 of 856.	
			862 X12.37 Shipping Schedule	
			864 X12.34 Text Message	
>>	AK202	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Segment: **AK5** Transaction Set Response Trailer
Position: 060
Loop: AK2 Mandatory
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To acknowledge acceptance or rejection and report errors in a transaction set
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

Ref.	Data		
<u>Des.</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	

Segment: **AK9** Functional Group Response Trailer
Position: 070
Loop:
Level: Heading:
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

Syntax Notes:
Semantic Notes:
Comments:

1 If AK901 is 'A' , then the transmitted functional group is accepted.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	AK901	715	Functional Group Acknowledge Code Code indicating accept or reject condition based on the syntax editing of the functional group A Accepted	M ID 1/1
>>	AK902	97	Number of Transaction Sets Included Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element	M NO 1/6
>>	AK903	123	Number of Received Transaction Sets Number of Transaction Sets received	M NO 1/6
>>	AK904	2	Number of Accepted Transaction Sets Number of accepted Transaction Sets in a Functional Group	M NO 1/6

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Heading:
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).

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
>>	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M NO 1/6
>>	SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction set.	M AN 4/9

Example

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*...+...1...+...2...+...3...+...4...+...5...+...6...+...7...+...8
ISA*00*                *00*                *01*867733248          *12*2626426500        *011108*074
GS*FA*867733248*2626426500*011108*0748*000000001*X*003010
ST*997*0001
AK1*PS*0000000730
AK2*856
AK5*A
AK9*A*1*1*1
SE*4*0001
ST*997*0002
AK1*SS*0000000731
AK2*856
AK5*A
AK9*A*1*1*1
SE*4*0002
GE*2*000000001
IEA*1*123456789
```

***** END OF DATA *****