

997 Functional Acknowledgment

FUNCTIONAL GROUP ID - **FA**

The purpose of this standard is 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.

Header

Page No.	Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
2	2	ST	Transaction Set Header	M	1	
3	3	AK1	Functional Group Response Header	M	1	
4	4	AK2	Transaction Set Response Header	O	1	>1
5	5	AK3	Data Segment Note	O	1	>1
6	6	AK4	Data Element Note	O	99	
7	7	AK5	Transaction Set Response Trailer	O	1	
8	8	AK9	Functional Group Response Trailer	M	1	
9	9	SE	Transaction Set Trailer	M	1	

Segment: **ST** Transaction Set Header

Level: Table X

Loop: _____

Usage: Mandatory

Max Use: 1

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

Comments: **A** The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set.	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	

Segment: **AK1** Functional Group Response Header

Level: Table X

Loop: _____

Usage: Mandatory

Max Use: 1

Purpose: To start acknowledgment of a functional group.

Comments: A AK102 is the data interchange control number found in the GS segment in the functional group being acknowledged.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
AK101	479	Functional Identifier Code Code identifying a group of application related Transaction Sets.	M ID 2/2
AK102	28	Data Interchange Control Number Assigned number originated and maintained by the sender.	M NO 1/9

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Segment: **AK2** Transaction Set Response Header

Level: Table X

Loop: AK2 **Repeat:** 999999

Usage: Optional

Max Use: 1

Purpose: To start acknowledgment of a single transaction set.

Comments: A AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
AK201	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set.	M ID 3/3
AK202	329	Transaction Set Control Number Identifying control number assigned by the originator for a Transaction Set. Also see: Data Interchange Control Number (28.)	M AN 4/9

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Segment: **AK3** Data Segment Note
Level: Table X
Loop: AK2/AK3 **Repeat:** 999999
Usage: Optional
Max Use: 1
Purpose: To report errors in a data segment and to identify the location of the data segment.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
AK301	721	Segment ID Code Code defining the segment ID of the data segment in error. See Segment Directory.	M ID 2/3
AK302	719	Segment Position in Transaction Set The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1.	M NO 1/6
AK303	447	Loop Identifier Code Code identifying loop within the transaction set which is bounded by the related "LS" and "LE" segments (corresponding "LS" and "LE" segments must have the same value for Loop Identifier). (Note: The loop ID number given on the transaction set diagram is recommended as the value for this data element in segments "LS" and "LE".)	O ID 1/4
AK304	720	Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3
AK305	720	Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3
AK306	720	Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3
AK307	720	Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3
AK308	720	Segment Syntax Error Code Code indicating error found based on the syntax editing of a segment	O ID 1/3

Segment: **AK4** Data Element Note
Level: Table X
Loop: AK2/AK3
Usage: Optional
Max Use: 99
Purpose: To report errors in a data element and to identify the location of the data element.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
AK401	722	Element Position in Segment This is used to indicate the relative position of the data element in error in this data segment. The count starts with 1 for the data element immediately following the segment ID. This value is 0 for an error in the segment ID.	M NO 1/2
AK402	725	Data Element Reference Number This is the reference number used to locate the data element in the dictionary.	O NO 1/4
AK403	723	Data Element Syntax Error Code Code indicating the error found after syntax edits of a data element.	M ID 1/3
AK404	724	Copy of Bad Data Element This is a copy of the data element in error.	O AN 1/99

Segment: **AK5** Transaction Set Response Trailer
Level: Table X
Loop: AK2
Usage: Optional
Max Use: 1
Purpose: To acknowledge acceptance or rejection and to report errors in a transaction set.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
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.
AK502	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set.
AK503	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set.
AK504	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set.
AK505	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set.
AK506	718	Transaction Set Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of a transaction set.

Segment: **AK9** Functional Group Response Trailer
Level: Table X
Loop: ____
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.
Comments: A If AK901 is 'A' or 'E', then the transmitted functional group is accepted. If AK901 is 'R', then the transmitted group is rejected.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
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.
AK902	97	Number of Transaction Sets Included	M NO 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 NO 1/6 Number of Transaction Sets received.
AK904	2	Number of Accepted Transaction Sets	M NO 1/6 Number of accepted Transaction Sets in a Functional Group.
AK905	716	Functional Group Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of the functional group header and/or trailer.
AK906	716	Functional Group Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of the functional group header and/or trailer.
AK907	716	Functional Group Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of the functional group header and/or trailer.
AK908	716	Functional Group Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of the functional group header and/or trailer.
AK909	716	Functional Group Syntax Error Code	O ID 1/3 Code indicating error found based on the syntax editing of the functional group header and/or trailer.

Segment: **SE** Transaction Set Trailer

Level: Table X

Loop: _____

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).

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

Data Element Summary

REF. DES.	DATA ELEMENT	NAME	ATTRIBUTES
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. Also see: Data Interchange Control Number (28.)	M AN 4/9

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