



Enhanced EDI Specification

Functional Acknowledgement – 997

Version 1.0

October 1, 2014

997 Functional Acknowledgment

Functional Group: FA

Version: 004010 X12

Raley's requires trading partners to acknowledge transaction sets sent from Raley's to a trading partner. The Raley's Trading Partner Management Group will monitor for acknowledgments and take appropriate action if the expected acknowledgment has not been received within the time specified by the standard and version being used or within 24 hours, whichever is the shorter period.

Transmission of trading partner EDI transactions will be acknowledged according to the guidelines for the standard version being used. As the sender, it is the trading partner's responsibility to verify that Raley's has acknowledged transmissions and take appropriate action if the expected acknowledgments have not been forthcoming within the time specified by the standard and version being used or 24 hours, whichever is the shorter period.

Note: Raley's will be using new identifiers as we enhance our EDI capabilities. We do, however, continue to recognize the Data Universal Numbering System (DUNS) number meaning the 9-digit number assigned by Dun and Bradstreet, Inc. (D&B) to identify unique business entities. Data Universal Numbering System + 4 (DUNS+4) number means the DUNS number assigned by D&B plus a 4-character suffix that is assigned by Raley's based on location for identifying alternative Electronic Funds Transfer (EFT) account information. D&B has no affiliation with this 4-character suffix.

Any questions concerning mapping requirements should be directed to the Electronic Data Interchange (EDI) team at edi@raleys.com.

Header:

Pos. No.	Seq. ID	Name	Req. Des.	Max. Use	Loop Repeat
010	ST	Transaction Set Header	M	1	
020	AK1	Functional Group Response Header	M	1	
		Loop ID – AK2			999999
030	AK2	Transaction Set Response Header	O	1	
		Loop ID – AK2 / AK3			999999
040	AK3	Data Segment Note	O	1	
050	AK4	Data Element Note	O	99	
060	AK5	Transaction Set Response Trailer	M	1	
070	AK9	Functional Group Response Trailer	M	1	
080	SE	Transaction Set Trailer	M	1	

- Notes:**
- 1/010** These acknowledgments shall not be acknowledged, thereby preventing an endless cycle of Acknowledgments of acknowledgments. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
 - 1/020** 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.
 - 1/010** 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 acknowledgment for a functional group. There shall be one AK1 segment for the functional group that is being acknowledged.
 - 1/030** AK2 is used to start the acknowledgment 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.
 - 1/040** The data segments of this standard are used to report the results of the syntactical analysis of the functional groups of transaction sets; they report the extent to which the syntax complies with the standards for transaction sets and functional groups. They do not report on the semantic meaning of the transaction sets (For example, on the ability of the receiver to comply with the request of the sender).

ST Transaction Set Header

Position: 010
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 2
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>
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		<u>Code</u>			
		997			
		<u>Description</u>			
		Functional Acknowledgement			
ST02	329	Transaction Set Control Number	M	AN	4/9

AK1 Functional Group Response Header

Position: 020
Max Use: 1
Level: Heading
Usage: Mandatory
Loop: N/A
Elements: 2
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>
AK101	479	Functional Identifier Code	M	ID	2/2
		<u>Code</u> <u>Description</u>			
		AG Application Advice (824)			
		IN Invoice Information (810)			
		PC Purchase Order Change (860)			
		PD Product Activity Data (852)			
		PO Purchase Order (850)			
		PR Purchase Order Acknowledgement (855)			
		QG Product Information (879, 888)			
		RA Payment Order/Remittance Advice (820)			
		SC Price/Sales Catalog (832)			
		SH Ship Notice/Manifest (856)			
AK102	28	Group Control Number <i>AK102 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.</i>	M	N0	1/9

Guidelines: AK101 is the functional group ID of the group that is being acknowledged. It is the value sent in GS01 for the original transmission.

AK102 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.

AK2 Transaction Set Response Header

Position: 030
Max Use: 1
Level: Header
Usage: Mandatory
Loop: AK2
Elements: 2
Purpose: 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>
AK201	143	Transaction Set Identifier Code	M	ID	3/3
		<u>Code</u> <u>Description</u>			
		810 Invoice			
		820 Payment Order/Remittance Advice			
		824 Application Advice			
		832 Price/Sales Catalog			
		850 Purchase Order			
		852 Product Activity Data			
		855 Purchase Order Acknowledgment			
		856 Ship Notice/Manifest			
		860 Purchase Order Change			
		864 Text			
		879 Price Information			
		888 Item Maintenance			
AK202	329	Transaction Set Control Number	M	AN	4/9

Guidelines: AK201 is the transaction set ID of the transaction being acknowledged. It is the value sent in ST01 for the original transmission.

AK202 is the control number assigned to the transaction 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.

AK3 Data Segment Note

Position: 040
Max Use: 1
Level: Header
Usage: Optional
Loop: AK2 / AK3
Elements: 4
Purpose: 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>
AK301	721	Segment ID Code	M	ID	2/3
AK302	719	Segment Position in Transaction Set	M	NO	1/6
AK303	447	Loop ID Code	O	AN	1/6
AK304	720	Segment Syntax Error Code	O	ID	1/3
<u>Code</u>	<u>Description</u>				
1	Unrecognized segment ID				
2	Unexpected segment				
3	Mandatory segment missing				
4	Loop Occurs Over Maximum Times				
5	Segment Exceeds Maximum Use				
6	Segment Not in Defined Transaction Set				
7	Segment Not in Proper Sequence				
8	Segment Hash Data Element Errors				

AK4 Data Element Note

Position: 050
Max Use: 99
Level: Header
Usage: Optional
Loop: AK2/AK3
Elements: 3
Purpose: 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>
AK401	722	Element Position in Segment	M	N)	1/ 2
AK402	725	Data Element Reference Number	O	N0	1/4
AK403	723	Data Element Syntax Error Code	M	ID	1/3
		<u>Code</u> <u>Description</u>			
		1 Mandatory data element missing			
		2 Conditional required data element missing			
		3 Too many data elements.			
		4 Data element too short.			
		5 Data element too long.			
		6 Invalid character in data element.			
		7 Invalid code value.			
		8 Invalid Date			
		9 Invalid Time			
		10 Exclusion Condition Violated			
AK404	724	Copy of Bad Data Element	O	AN	1/99

AK5 Transaction Set Response Trailer

Position: 060
Max Use: 1
Level: Header
Usage: Mandatory
Loop: AK2
Elements: 2
Purpose: 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>
AK501	717	Transaction Set Acknowledgement Code	M	ID	1/1
		<u>Code</u> <u>Description</u>			
		A Accepted			
		R Rejected			
		E Accepted but errors were noted			
AK502	718	Transaction Set Syntax Error Code	O	ID	1/3
		<u>Code</u> <u>Description</u>			
		1 Transaction Set Not Supported			
		2 Transaction Set Trailer Missing			
		4 Number of Included Segments Does Not Match Actual Count			
		5 One or More Segments in Error			
		6 Missing or Invalid Transaction Set Identifier			
		7 Missing or Invalid Transaction Set Control Number			
		8 Authentication Key Name Unknown			
		23 Transaction Set Control Number Not Unique within the Functional Group			

Guidelines: The codes listed for AK502 apply to every occurrence of data element 720 in the AK5 segment.

AK9 Functional Group Response Trailer

Position: 070
Max Use: 1
Level: Header
Usage: Mandatory
Loop: N/A
Elements: 4
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>
AK901	715	Reference Identification Qualifier	M	ID	1/1
		<u>Code</u> <u>Description</u>			
		A Accepted			
		R Rejected			
		E Accepted but errors were noted			
		P Partially Accepted, At least One Transaction Set was rejected			
AK902	97	Number of Transaction Sets Included	M	N0	1/6
AK903	123	Number of Received Transaction Sets	M	N0	1/6
AK904	2	Number of Accepted Transaction Sets	M	N0	1/6

SE Transaction Set Trailer

Position: 010
Max Use: 1
Level: Summary
Usage: Mandatory
Loop: N/A
Elements: 2
Purpose: To indicate the end of a transaction set and to 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>
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9

SAMPLE DATA - 997 Functional Acknowledgment

ISA 00 00 08 9254110060 ZZ 123456789 040428 0558 U 00401 000000948 0 T ^~	
GS FA 5137624388 123456789 20040428 0558 805584784 T 004010~	
ST 997 817015395~	Transaction Set Identifier Code, Transaction Set Control Number
AK1 GP 4569~	Functional Identifier Code, Group Control Number
AK2 880 04569001~	Transaction Set Identifier Code, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK9 A 1 1 1~	Functional Group Acknowledge Code –A(Accepted), Number of Transaction Sets Included, Number of Received Transaction Sets, Number of Accepted Transaction Sets
SE 6 817015395~	Number of Included Segments, Transaction Set Control Number
GE 1 817015394~	Number of TS Included, Group Cntl Number
IEA 1 000000010~	
SAMPLE DATA (REJECTED)	
ISA 00 00 08 9254110060 12 123456789 040427 1602 U 00307 000000006 0 P >~	
GS FA 5137624388 123456789 20040427 1602 716023111 T 004010~	
ST 997 716023113~	Transaction Set Identifier Code, Transaction Set Control Number
AK1 QG 115~	Functional Identifier Code –OG(889), Group Control Number
AK2 889 1150001~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK3 G45 97 G45~	Segment ID Code, Segment Position in Transaction Set, Loop ID Code
AK4 2 766 4 06310300022~	Element
AK5 R 5~	Transaction Set Acknowledgement Code –R(Rejected)
AK2 889 1150002~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150003~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150004~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150005~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150006~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150007~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150008~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK2 889 1150009~	Transaction Set Identifier Code –889, Transaction Set Control Number
AK5 A~	Transaction Set Acknowledgement Code –A(Accepted)
AK9 P 9 9 8~	Functional Group Acknowledge Code –P(Partially Accepted, At least one transaction set was rejected), Number of Transaction Sets Included, Number of Received Transaction Sets, Number of Accepted Transaction
SE 24 716023113~	Number of Included Segments, Transaction Set Control Number
GE 1 716023111~	Number of TS Included, Group Cntl Number
IEA 1 000000006~	