Rite Aid Corporation
997 Functional Acknowledgment
Version 005010

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Functional Group ID=FA

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Introduction:

This X12 Transaction Set 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.

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
M	0100	ST	Transaction Set Header	M	1		n1
M	0200	AK1	Functional Group Response Header	M	1		n2
			LOOP ID - AK2			>1	
M	0300	AK2	Transaction Set Response Header	M	1		n3
			LOOP ID - AK3			>1	
M	0400	AK3	Data Segment Note	M	1		c1
M	0500	AK4	Data Element Note	M	99		
M	0600	AK5	Transaction Set Response Trailer	M	1		
M	0700	AK9	Functional Group Response Trailer	M	1		
M	0800	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. Nor shall a Functional Acknowledgment be sent to report errors in a previous Functional Acknowledgment.
    There is only one Functional Acknowledgment Transaction Set per acknowledged functional group.
    Only one acknowledgement, either a single Transaction Set 997 or a single Transaction Set 999, should be generated for a functional group unless mutually agreed upon.
2. 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.
    The Functional Acknowledgement is generated at the point of translation, intended for the originator (not any intermediate parties).
    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.
3. 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.

Transaction Set Comments

1. 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 or proper subsets of 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).

Segment:	**ST** **Transaction Set Header**
Position:	0100
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the start of a transaction set and to assign a control number
Syntax Notes:	

Business Rules: Variable Name: STST

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	ST01	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code uniquely identifying a Transaction Set			
			997 Functional Acknowledgment			
M	ST02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment:	**AK1** **Functional Group Response Header**
Position:	0200
Loop:	
Level:	
Usage:	Mandatory
Max Use:	1
Purpose:	To start acknowledgment of a functional group
Syntax Notes:	
Notes:	AK1*PO*000000001~ AK1*SH*25728.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK101	479	**Functional Identifier Code**	M	1	ID 2/2
			Code identifying a group of application related transaction sets			
M	AK102	28	**Group Control Number**	M	1	N0 1/9
			Assigned number originated and maintained by the sender			
M	AK103	480	**Version / Release / Industry Identifier Code**	M	1	AN 1/12
			Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed			
			005010 Standards Approved for Publication by ASC X12 Procedures Review Board through October 2003			

Segment:AK2 **Transaction Set Response Header**

Position:	0300	
Loop:	AK2	Mandatory
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To start acknowledgment of a single transaction set	
Syntax Notes:		
Notes:	AK2*850*0009~	
	AK2*856*0001~	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK201	143	**Transaction Set Identifier Code**	M	1	ID 3/3
			Code uniquely identifying a Transaction Set			
M	AK202	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Segment: **AK3** **Data Segment Note**

Position:	0400	
Loop:	AK3	Mandatory
Level:		
Usage:	Mandatory	
Max Use:	1	
Purpose:	To report errors in a data segment and identify the location of the data segment	
Syntax Notes:		
Notes:	AK3*PER*6**2~	
	AK3*FOB*7**2~	
	AK3*ITD*8**2~	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK301	721	**Segment ID Code**	M	1	ID 2/3
			Code defining the segment ID of the data segment in error (See Appendix A - Number 77)			
M	AK302	719	**Segment Position in Transaction Set**	M	1	N0 1/10
			The numerical count position of this data segment from the start of the transaction set: the transaction set header is count position 1			
	AK303	447	**Loop Identifier Code**	O	1	AN 1/4
			The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE			
M	AK304	720	**Segment Syntax Error Code**	M	1	ID 1/3
			Code indicating error found based on the syntax editing of a segment			

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 Has Data Element Errors

Segment:**AK4** Data Element Note

Position:	0500
Loop:	AK3 Mandatory
Usage:	Mandatory
Max Use:	99
Purpose:	To report errors in a data element or composite data structure and identify the location of the data element
Syntax Notes:	
Notes:	AK4*6*187*2*1.
	AK4*2*66*2*BadData.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes		
M	AK401	C030	**Position in Segment**	M	1	

Code indicating the relative position of the simple data element or composite data structure in error within a segment, count beginning with 1 for the position immediately following the segment ID; additionally indicating the relative position of a repeating structure in error, count beginning with 1 for the position immediately following the preceding element separator; additionally indicating the relative position of a component of a composite data structure in error, count beginning with 1 for the position following the preceding element or repetition separator

M	C03001	722	**Element Position in Segment**	M		N0 1/2

This is used to indicate the relative position of a simple data element, or the relative position of a composite data structure with the relative position of the component within the composite data structure, in error; in the data segment the count starts with 1 for the simple data element or composite data structure immediately following the segment ID

	C03002	1528	**Component Data Element Position in Composite**	O		N0 1/2

To identify the component data element position within the composite that is in error

	C03003	1686	**Repeating Data Element Position**	O		N0 1/4

To identify the specific repetition of a data element that is in error

	AK402	725	**Data Element Reference Number**	O	1	N0 1/4

Reference number used to locate the data element in the Data Element Dictionary

M	AK403	723	**Data Element Syntax Error Code**	M	1	ID 1/3

Code indicating the error found after syntax edits of a data element

1	Mandatory data element missing
2	Conditional required data element missing.
3	Too many data elements.
	More data elements existed than defined for the segment
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
12	Too Many Repetitions
	More repetitions existed than defined for the segment
13	Too Many Components
	More components existed than defined for the element

M	AK404	724	**Copy of Bad Data Element**	M	1	AN 1/99

This is a copy of the data element in error

Segment:		# AK5 Transaction Set Response Trailer			
Position:	0600				
Loop:	AK2	Mandatory			
Level:					
Usage:	Mandatory				
Max Use:	1				
Purpose:	To acknowledge acceptance or rejection and report errors in a transaction set				
Syntax Notes:					
Notes:	AK5*A~				
	AK5*E~				
	AK5*R~				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	AK501	717	**Transaction Set Acknowledgment Code**		M 1 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
M	Rejected, Message Authentication Code (MAC) Failed
R	Rejected
W	Rejected, Assurance Failed Validity Tests
X	Rejected, Content After Decryption Could Not Be Analyzed

Segment:		# AK9 Functional Group Response Trailer			
Position:	0700				
Loop:					
Level:					
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:					
Notes:	AK9*E*2*2*2~				
	AK9*R*1*1*1~				
	AK9*A*1*1*1~				

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	AK901	715	**Functional Group Acknowledge Code**		M 1 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.
M	Rejected, Message Authentication Code (MAC) Failed
P	Partially Accepted, At Least One Transaction Set Was Rejected
R	Rejected
W	Rejected, Assurance Failed Validity Tests
X	Rejected, Content After Decryption Could Not Be Analyzed

M	AK902	97	**Number of Transaction Sets Included**		M 1 N0 1/6

Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

M	AK903	123	**Number of Received Transaction Sets**	M	1	N0 1/6
			Number of Transaction Sets received			
M	AK904	2	**Number of Accepted Transaction Sets**	M	1	N0 1/6
			Number of accepted Transaction Sets in a Functional Group			

Segment:	**SE** **Transaction Set Trailer**
Position:	0800
Loop:	
Level:	
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:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes	
M	SE01	96	**Number of Included Segments**	M	1	N0 1/10
			Total number of segments included in a transaction set including ST and SE segments			
M	SE02	329	**Transaction Set Control Number**	M	1	AN 4/9
			Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			