



Rite Aid Corporation

997 – Functional Acknowledgement

Segment ID	Description	Segment Attributes	Location
ISA	Interchange Control Header	M	Heading
GS	Functional Group Header	M	Heading
ST	Transaction Set Header	M	Heading
AK1	Functional Group Response Header	M	Heading
AK2	Reference Identification	M	Detail
AK3	Administrative Communications Contact	M	Detail
AK4	F.O.B. Related Instructions	M	Detail
AK5	Terms of Sale/Deferred Terms of Sale	M	Transaction Set Trailer
AK9	Date/Time Reference	M	Functional Group Trailer
SE	Transaction Set Trailer	M	Summary
GE	Functional Group Trailer	M	Summary
IEA	Interchange Control Trailer	M	Summary

- Functional Acknowledgements (997) are required within 24 hours of Rite Aid sending this document.
- If document needs to be resent, call your Value Added Network (VAN) to have it resent.

Transaction Set Notes

- 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.
- 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.
- 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.
- 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.

Transaction Set Comments

- 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).

ISA Interchange Control Header

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
				M	ID	2/2	
ISA01	I01	Authorization Information Qualifier	00	M	ID	2/2	
ISA02	I02	Authorization Information		M	AN	10/10	spaces
ISA03	I03	Security Information Qualifier	00	M	ID	2/2	
ISA04	I04	Security Information		M	AN	10/10	spaces
ISA05	I05	Interchange ID Qualifier	01	M	ID	2/2	DUNS
ISA06	I06	Interchange Sender ID	014578892	M	AN	15/15	Rite Aid's DUNS Number (#)
ISA07	I05	Interchange ID Qualifier		M	ID	2/2	assigned by partner
ISA08	I07	Interchange Receiver ID		M	AN	15/15	assigned by partner
ISA09	I08	Interchange Date		M	DT	6/6	current date
ISA10	I09	Interchange Time		M	TM	4/4	current time
ISA11	I10	Interchange Standards ID	U	M	ID	1/1	
ISA12	I11	Interchange Version ID	00401	M	ID	5/5	
ISA13	I12	Interchange Control Number		M	N0	9/9	sequential number
ISA14	I13	Acknowledgment Requested	0	M	ID	1/1	
ISA15	I14	Test Indicator	P	M	ID	1/1	
ISA16	I15	Sub element Separator	>	M	AN	1/1	
		Element Separator	*				
		Segment Terminator	~				

(#) This is the Rite Aid Corporation DUNS Number

"Rite Aid Headquarters Corp."

GS Functional Group Header

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
				M	ID	2//2	
GS01	479	Functional ID Code	FA	M	ID	2//2	Functional Acknowledgement
GS02	142	Application Sender's Code	014578892	M	AN	2/15	Rite Aid's DUNS Number
GS03	124	Application Receiver's Code		M	AN	2/15	assigned by Partner
GS04	29	Group Date	CCYYMMDD	M	DT	8/8	current date
GS05	30	Group Time	HHMM	M	TM	4/8	current time
GS06	28	Group Control Number		M	N0	1/9	sequential number
GS07	455	Responsible Agency Code	X	M	ID	1/2	
GS08	480	Version/Release Industry ID Code	004010	M	AN	1/12	

ST Transaction Set Header

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
				M	ID	3/3	
ST01	143	Transaction Set ID Code	997	M	ID	3/3	Functional Acknowledgement
ST02	329	Transaction Set Control Number		M	AN	4/9	sequential number

AK1 Functional Group Response Header

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
				M	ID	2/2	
AK101	479	Functional Identifier Code		M	ID	2/2	Code identifying a group of application related transaction sets
AK102	28	Group Control Number		M	N0	1/9	Assigned number originated and maintained by the sender

AK1*PO*000000001~

AK1*SH*25728.

- The AK1 Segment starts the acknowledgment of a functional group
- AK101 is the functional ID found in the GS segment (GS01) in the functional group being acknowledged.
- AK102 is the functional group control number found in the GS segment in the functional group being acknowledged.

AK2 Transaction Set Response Header

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
AK201	143	Transaction Set Identifier Code		M	AN	3/3	Code uniquely identifying a Transaction Set
AK202	329	Transaction Set Control Number		M	AN	4/9	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

AK2*850*0009~
AK2*856*0001.

- The AK2 segment acknowledges a single transaction set.
- AK201 is the transaction set ID found in the ST segment (ST01) in the transaction set being acknowledged.
- AK202 is the transaction set control number found in the ST segment in the transaction set being acknowledged.

AK3 Data Segment Note

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
AK301	721	Segment ID Code		M	ID	2/3	Code defining the segment ID of the data segment in error
AK302	719	Segment Position in Transaction Set		M	NO	1/6	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	AN	1/6	The loop ID number given on the transaction set diagram is the value for this data element in segments LS and LE
AK304	720	Segment Syntax Error Code		O	ID	1/3	Code indicating error found based on the syntax editing of a segment

AK3*PER*6**2.
AK3*FOB*7**2.
AK3*ITD*8**2.

- The AK3 segment reports errors in a data segment and identify the location of the data segment

Code 720	DEFINITION
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

AK4 Data Element Note

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
AK401	C030	Position in Segment		M			Code indicating the relative position of a simple data element, or the relative position of a composite data structure combined with the relative position of the component data element within the composite data structure, in error; the count starts with 1 for the simple data element or composite data structure immediately following the segment ID
C03001	722	Element Position in Segment		M	ID	2/2	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	NO	1/2	To identify the component data element position within the composite that is in error
AK402	725	Data Element Reference Number		M	ID	2/2	Reference number used to locate the data element in the Data Element Dictionary
AK403	723	Data Element Syntax Error Code		O	AN	1/30	Code indicating the error found after syntax edits of a data element
AK404	724	Copy of Bad Data Element					This is a copy of the data element in error

AK4*6*187*2*1.

AK4*2*66*2*BadData.

- The AK4 segment reports errors in a data element or composite data structure and identify the location of the data element
- In no case shall a value be used for AK404 that would generate a syntax error, e.g., an invalid character.

Code 723 indicates the error found after syntax edits of a data element

Code 723	DEFINITION
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

AK5 Transaction Set Response Trailer

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
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 accept or reject condition based on the syntax editing of the transaction set
AK503	718	Transaction Set Syntax Error Code		O	ID	1/3	Code indicating accept or reject condition based on the syntax editing of the transaction set
AK504	718	Transaction Set Syntax Error Code		O	ID	1/3	Code indicating accept or reject condition based on the syntax editing of the transaction set
AK505	718	Transaction Set Syntax Error Code		O	ID	1/3	Code indicating accept or reject condition based on the syntax editing of the transaction set
AK506	718	Transaction Set Syntax Error Code		O	ID	1/3	Code indicating accept or reject condition based on the syntax editing of the transaction set

AK5*A.
 AK5*E.
 AK5*R.

- The AK5 segment acknowledges acceptance or rejection and report errors in a transaction set

Code 717 indicates accept or reject condition based on the syntax editing of the transaction set

CODE 717	DEFINITION
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

AK5 Transaction Set Response Trailer

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
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	ID	1/3	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	ID	1/3	Number of Transaction Sets received
AK904	2	Number of Accepted Transaction Sets	2	M	ID	1/3	Number of accepted Transaction Sets in a Functional Group
AK905	716	Number of Accepted Transaction Sets		M	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

AK9*E*2*2*2.
 AK9*R*1*1*1.
 AK9*A*1*1*1.

Code 715 indicates accept or reject condition based on the syntax editing of the functional group

CODE 715	DEFINITION
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

SE Transaction Set Trailer

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
SE01	96	Number of Included Segments		M	N0	1/10	
SE02	329	Transaction Set Control Number		M	AN	4/9	

GE Functional Group Trailer

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
GE01	97	Number of Included Sets		M	N0	1/6	
GE02	28	Group Control Number		M	N0	1/9	

IEA Functional Group Trailer

Ref	Ele ID	Description	Code or Qualifier	Rite Aid Attributes			Comments
IEA01	116	Number of Included Groups		M	N0	1/5	
IEA02	112	Interchange Control Number		M	N0	9/9	

Sample 997 Format

ISA*00* *00* *01*SENDER *01*RECIEVER *090409*092
 5*U*00401*800000722*0*P*>.
 GS*FA*SENDER*RECEIVER*20090409*0925*8000722*X*004010.
 ST*997*0001.
 AK1*PO*1898.
 AK2*850*000004443.
 AK3*PER*6**2.
 AK3*FOB*7**2.
 AK3*ITD*8**2.
 AK5*E.
 AK2*850*000004444.
 AK3*PER*6**2.
 AK3*FOB*7**2.
 AK3*ITD*8**2.
 AK5*E.
 AK9*E*2*2*2.
 SE*14*0001.
 GE*1*8000722.
 IEA*1*800000722.

ISA*00* *00* *01*SENDER *ZZ*RECEIVER *090322
 *1238*U*00400*000026461*0*P*>.
 GS*FA*SENDER*RECIEVER*20090322*1238*25675*X*004010.
 ST*997*000025675.
 AK1*SH*25728.
 AK2*856*0001.
 AK3*TD5*6*1000.
 AK4*2*66*2*NINGBO.
 AK5*E*5.
 AK9*E*1*1*1.
 SE*8*000025675.
 GE*1*25675.
 IEA*1*000026461.