

# 997 Functional Acknowledgments

Barnes and Noble College Bookstores  
Document Mapping

Version 2040  
Effective 01/01

## Segment Summary

### Header Segments

Segment	M/O*	Name
ST	M	Transaction Set Header

### Detail Segments

Segment	M/O*	Name
AK1	M	Functional Group Response Header
AK2	O	Transaction Set Response Header
AK3	O	Data Segment Note
AK4	O	Data Element Note
AK5	M	Transaction Set Response Trailer
AK9	M	Functional Group Response Trailer

### Summary Segments

Segment	M/O*	Name
SE	M	Transaction Set Trailer

997 Functional Acknowledgment, continued

## Header Envelope Segments

Segment	M/O*	Data Element	Value/Comments
ISA	M	ISA01 Qualifier	'00'
	M	ISA02 Authorization	Blanks
	M	ISA03 Qualifier	'00'
	M	ISA04 Security	Blanks
	M	ISA05 Qualifier	'01' Duns '08' UCC Comm ID '12' Telephone Number
	M	ISA06 Sender ID	Sender's Duns #, Comm ID, Phone #, or Account #, and User ID
	M	ISA07 Qualifier	'12' Telephone Number
	M	ISA08 Receiver ID	Receiver's Phone Number
	M	ISA09 Date	YYMMDD
	M	ISA10 Time	HHMM
	M	ISA11 Identifier	'U' ANSI X.12
	M	ISA12 Version	'00200'
	M	ISA13 Control Number	Sequential Number
	M	ISA14 Acknowledge Request	'0' No
	M	ISA15 Test Indicator	'P' Production 'T' Test
	M	ISA16 Sub-Element Separator	'>'

Segment	M/O*	Data Element	Value/Comments
GS	M	GS01 Identifier	'FA'
	M	GS02 Sender's Code	Same as ISA06
	M	GS03 Receiver's Code	Same as ISA08
	M	GS04 Date	CCYYMMDD
	M	GS05 Time	HHMMSS
	M	GS06 Control Number	Sequential Number
	M	GS07 Agency Code	'X' ANSI X.12
	M	GS08 Version	'002040'

997 Functional Acknowledgment, continued

## Header Segments

Segment	M/O*	Data	Element	Value/Comments
ST	M	ST01	Transaction ID	'997'
	M	ST02	Transaction Control #	Sequential Number

## Detail Segments

Segment	M/O*	Data	Element	Value/Comments
AK1	M	AK101	Functional ID Code	For Transaction Being Acknowledged
	M	AK102	Group Control Number	For Group Being Acknowledged
AK2	M	AK201	Transaction Set ID Code	For Transaction Being Acknowledged
	M	AK202	Transaction Set Control #	For Transaction Being Acknowledged
AK3	M	AK301	Segment ID Code	ID Code of the Segment in Error
	M	AK302	Segment Position in Transaction	Numerical Count Position of Segment From Start of Transaction
	O	AK303	Loop Identifier Code	Loop Code (LS) Identifying Loop Containing Segment in Error
	O	AK304	Segment Syntax Error Code	'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 in Transaction Set '7' Segment Not in Proper Sequence

997 Functional Acknowledgment, continued

Segment	M/O*	Data Element	Value/Comments	
AK4	M	AK401	Position in Segment	Relative Position of Element Within Segment
	O	AK402	Data Element Reference #	Element Reference Number From Data Element Dictionary
	M	AK403	Data Element Syntax Error Code	'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
	M	AK404	Copy of Bad Data Element	Copy of the Element in Error
AK5	M	AK501	Transaction Set ACK Code	'A' Accepted 'E' Accepted with Errors 'R' Rejected
	O	AK502	Transaction Set Error Code	'1' Transaction Set Not Supported '2' Transaction Set Trailer Missing '3' Transaction Set Control Numbers Do Not Match '4' Number of Included Segments Does Not Match Count '5' One or More Segments in Error '6' Missing or Invalid Transaction Set ID '7' Missing or Invalid Transaction Set Ctl #
	O	AK503	Transaction Set Error Code	(See Description Above)
	O	AK504	Transaction Set Error Code	(See Description Above)
	O	AK505	Transaction Set Error Code	(See Description Above)
	O	AK506	Transaction Set Error Code	(See Description Above)

### 997 Functional Acknowledgment, continued

Segment	M/O*	Data	Element	Value/Comments
AK9	M	AK901	Group Acknowledgment Code	'A' Accepted 'E' Accepted with Errors 'P' Partially Accepted, at Least One Transaction was Rejected 'R' Rejected
	M	AK902	# of Transactions Included	
	M	AK903	# of Transactions Received	
	M	AK904	# of Transactions Accepted	
	O	AK905	Group Syntax Error Code	'1' Functional Group Not Supported '2' Functional Group Version Not Supported '3' Functional Group Trailer Missing '4' Functional Group Control Numbers Do Not Match '5' Number of Included Transactions Does Not Match Count
	O	AK906	Group Syntax Error Code	(See Description Above)
	O	AK907	Group Syntax Error Code	(See Description Above)
	O	AK908	Group Syntax Error Code	(See Description Above)
	O	AK909	Group Syntax Error Code	(See Description Above)

## Summary Segments

Segment	M/O*	Data	Element	Value/Comments
SE	M	SE01	Number	Segment Total
	M	SE02	Control	Sequential Number

## Trailer Envelope Segments

Segment	M/O*	Data	Element	Value/Comments
GE	M	GE01	Total	Number of Transactions in This Group
	M	GE02	Control Number	Sequential Number
IEA	M	IEA01	Total	Number of Groups in This Interchange
	M	IEA02	Control Number	Sequential Number

