

997 Functional Acknowledgment ANSI X.12 Version 4010

*** HEADER AREA ***

SEG ID	SEGMENT NAME	REQ DES	MAX USE	LOOP REPEAT
ISA	Interchange Control Header	M	1	
GS	Functional Group Header	M	1	
ST	Transaction Set Header	M	1	
AK1	Functional Group Response Header	M	1	

*** DETAIL AREA ***

	<i>Loop Id - AK2</i>			999999
AK2	Transaction Set Response Header	O	1	
	<i>Loop Id - AK3</i>			999999
AK3	Data Segment Note	O	1	
AK4	Data Element Note	O	99	
AK5	Transaction Set Response Trailer	M	1	

*** SUMMARY AREA ***

AK9	Function Group Response Trailer	M	1
SE	Transaction Set Trailer	M	1
GE	Functional Group Trailer	M	1
IEA	Interchange Control Trailer	M	1

NOTE: The Mandatory and Optional indicators are in accordance with the segment's requirement within the ANSI standards. All segments shown are required by McLane.

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ISA Interchange Control Header

ISA*00* *00* *01*SENDERS ID*01*RECEIVERS
ID*YYMMDD*HHMM*U*00401*123456789* 0*P*>

Element Element #	Description	Qualifiers/Definitions	Length Min/Max
ISA01 I01	Authorization Information Qualifier	00 No Authorization Sent	2/2 ID
ISA02 I02	Authorization Information	Leave Blank	10/10 AN
ISA03 I03	Security Information Qualifier	00 No Security Information Present	2/2 ID
ISA04 I04	Security Information	Leave Blank	10/10 AN
ISA05 I05	Interchange ID Qualifier	01 DUNS Number 14 DUNS Number + 4 char suffix ZZ Mutually Defined	2/2 ID
ISA06 I06	Interchange Sender ID	Sender's Identification Number	15/15 AN
ISA07 I05	Interchange ID Qualifier	01 DUNS Number 16 DUNS + 4 char suffix	2/2 ID
ISA08 I07	Interchange Receiver ID	Receiver's Identification Number	15/15 AN
ISA09 I08	Interchange Date	YYMMDD	6/6 DT
ISA10 I09	Interchange Time	HHMM	4/4 TM
ISA11 I10	Interchange Control Standards Identifier	U X12	1/1 ID
ISA12 I11	Interchange Control Version Number	00401 Version 4, Release 1	5/5 ID
ISA13 I12	Interchange Control Number	Control Number assigned by the sender	9/9 N0
ISA14 I13	Acknowledgment Requested	0 Acknowledgment Requested	1/1 ID
ISA15 I14	Test Indicator	P Production T Test	1/1 ID
ISA16 I15	Subelement Separator	> EBCDIC - 6E ASCII - 3E	1/1

Note: Data Element ISA14 does not refer to the functional acknowledgment (transaction set 997). McLane requires the use of the Functional Acknowledgment (997) in all cases.

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The following data element attributes are used in this document.

Attribute Type	Symbol
Numeric	Nn (n indicates decimal positions)
Decimal Number	R
Identifier	ID
String	AN

Attribute Type	Symbol
ISA Date	DT (YYMMDD)
All other dates	DT (CCYYMMDD)
Time	TM (HHMMSSd..d)
Binary	B
Fixed-Length String	FS

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GS Function Group Header

GS*IN*SENDERS ID*RECEIVERS ID*CCYYMMDD*HHMM*123456789*X*004010

Element Element #	Description	Qualifiers/Definitions	Length Min/Max
GS01 479	Functional Identifier Code	FA Functional Acknowledgment	2/2 ID
GS02 142	Application Sender's Code	Sender's Code	2/15 AN
GS03 124	Application Receiver's Code	Receiver's Code	2/15 AN
GS04 373	Group Date	CCYYMMDD	8/8 DT
GS05 337	Group Time	HHMM	4/8 TM
GS06 28	Group Control Number	Control Number assigned by the Sender	1/9 N0
GS07 455	Responsible Agency Code	X X12	1/2 ID
GS08 480	Version/Release/Industry Identifier Code	004010	1/12 AN

ST Transaction Set Header

ST*997*000000123

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
ST01 143	Transaction Set Identification Code	997 Functional Acknowledgment	3/3 ID
ST02 329	Transaction Set Control Number	Control Number Assigned by Vendor	4/9 AN

AK1 Functional Group Response Header

AK1*PO*000000001

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK101 479	Functional Identification Code	PO Purchase Order	2/2 ID
AK102 28	Group Control Number	Located in the GS06 of the Acknowledged Document	1/9 N0

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AK2 Transaction Set Header
AK2*850*0000000123

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK201 143	Transaction Set ID Code	850 Purchase Order	3/3 ID
AK202 329	Transaction Set Control Number	Located in the ST02 of the Acknowledged Document	4/9 AN

AK3 Data Segment Note
AK3*A

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK301 721	Segment Id Code	Segment ID Code	2/3 ID
AK302 719	Segment Position in the Transaction Set	Segment Position in Transaction Set	1/6 N0
AK303 447	Loop Identifier Code	Loop Identifier Code	1/6 AN
AK304 720	Segment Syntax Error Code	Segment Syntax Error Code	1/3 ID

AK4 Data Element Note
AK4*A

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK401 C030	Position in Segment	Position in Segment	1/2 N0
AK402 725	Data Element Reference Number	Data Element Reference Number	1/4 N0
AK403 723	Data Element Syntax Error Code	Data Element Syntax Error Code	1/3 ID
AK404 724	Copy of Bad Data Element	Copy of Bad Data Element	1/99 AN

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AK5 Transaction Set Response Trailer
AK5*A

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK501 717	Transaction Set Acknowledgment Code	A Accepted E Accepted, but with Errors R Rejected	1/1 ID

AK9 Functional Group Response Trailer
AK9*A*1*1*1

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AK901 715	Functional Group Acknowledgment Code	A Accepted E Accepted, but with Errors R Rejected	1/1 ID
AK902 97	Number of Included Sets	Number of Transaction Sets Included	1/6 N0
AK903 123	Number of Received Sets	Number of Received Transaction Sets	1/6 N0
AK904 2	Number of Accepted Sets	Number of Accepted Transaction Sets	1/6 N0

SE Transaction Set Trailer
SE*12*123456789

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
SE01 96	Number of included segments	Total number of segments including ST and SE segments	1/10 N0
SE02 329	Transaction Set Control Number	Same control number used in the ST segment	4/9 AN

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GE Functional Group Trailer
GE*1*123456789

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
GE01 97	Number of Transaction Sets Included	Total number of transaction sets included in the functional group	1/6 N0
GE02 28	Group Control Number	Same control number used in the GS segment	1/9 N0

IEA Interchange Control Trailer
IEA*1*123456789

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
IEA01 I16	Number of included functional groups	A count of functional groups included in a transmission	1/5 N0
IEA02 I12	Interchange Control Number	Same control number used in the ISA segment	9/9 N0