

850 Purchase Order 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	
BEG	Beginning Segment for Purchase Order	M	1	
CSH	Header Sale Condition	O	5	
<i>Loop Id - SAC</i>				25
SAC	Service, Promotion, Allowance, or Charge Information	O	1	
ITD	Terms of Sale/Deferred Terms of Sale	O	>1	
DTM	Date Time Reference	O	10	
TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
<i>Loop Id - N9</i>				1000
N9	Reference Identification	O	1	
MSG	Message Text	O	1000	
<i>Loop Id - N1</i>				200
N1	Name	O	1	
N3	Address Information	O	2	
N4	Geographic Location	O	>1	
REF	Reference Identification	O	12	

***** DETAIL AREA *****

<i>Loop Id - PO1</i>				100000
PO1	Purchase Order Baseline Item Data	M	1	
<i>Loop Id - PID</i>				1000
PID	Product/Item Description	O	1	
PO4	Item Physical Details	O	>1	
<i>Loop Id - SAC</i>				25
SAC	Service, Promotion, Allowance, or Charge Information	O	1	

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***** SUMMARY AREA *****

CTT	Transaction	O	1
AMT	Totals Monetary Amount	O	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.

The following data element attributes are used in this document.

Attribute Type	Symbol
Numeric	Nn (n indicates decimal postions)
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*PO*SENDERS ID*RECEIVERS ID*CCYYMMDD*HHMM*123456789*X*004010

Element Element #	Description	Qualifiers/Definition	Length Min/Max
GS01 479	Functional Identifier Code	PO Purchase Order	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*850*000000123

Element Element #	Description	Qualifiers/Definition	Length Min/Max
ST01 143	Transaction Set Identifier Code	850 Purchase Order	3/3 ID
ST02 329	Transaction Set Control Number	Control Number assigned by originator	4/9 AN

BEG Beginning Segment for Purchase Order

BEG*00*SA*F92758-0120000320**

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
BEG01 353	Transaction Set Purpose Code	00 Original	2/2 ID
BEG02 92	Purchase Order Type Code	SA Stand-Alone	2/2 ID
BEG03 324	Purchase Order Number	McLane's Purchase Order Number	1/22 AN
BEG05 373	Purchase Order Date	CCYYMMDD	8/8 DT

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CSH Header Sale Condition
CSH*N

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
CSH01 563	Sales Requirement Code	N No Back Order	1/2 ID

SAC Service, Promotion, Allowance, or Charge Information

SAC*C*D240***4391***1.25443****05*FC90234A**Freight Charge \$1.25443 per 100 CF

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
SAC01 248	Allowance or Charge Indicator	A Allowance C Charge	1/1 ID
SAC02 1300	Service, Promotion, Allowance or Charge Code	B130 Cigarette Stamping B320 Competitive Allowance C320 Display Allowance D170 Free Goods D240 Freight F800 Promotional Allowance (Not a complete list)	4/4 ID
SAC05 610	Amount	Total Monetary Amount (Positive)	1/15 N2
SAC08 118	Rate	Allowance or Charge Rate per unit (Positive)	1/9 R
SAC12 331	Allowance or Charge Method of Handling Code	02 Off Invoice (Not a Complete List)	2/2 ID
SAC13 127	Reference Identification	Number assigned referencing an allowance, promotion, deal or charge	1/30 AN
SAC15 352	Description	Free form description of allowance or charge	1/80 AN

Note: SAC05 takes precedence over the SAC08.

ITD Terms of Sale/Deferred Terms of Sale

ITD*01*3*2.5**15**45 (2.5% 15 net 45)

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
ITD01 336	Terms Type Code	01 Basic	2/2 ID
ITD02 333	Terms Basis Date Code	2 Delivery Date 3 Invoice Date	1/2 ID
ITD03 338	Terms Discount Percent	Terms discount percentage expressed as a percentage if an invoice is paid before the Terms Discount Due days or date	1/6 R
ITD05 351	Terms Discount Days Due	Number of days in the discount period by which payment is due if discount is earned	1/3 N0
ITD07 386	Terms Net Days	Number of days until total invoice amount is due	1/3 N0

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DTM Date/Time Reference
DTM*002*20000320

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
DTM01 374	Date/Time Qualifier	002 Delivery Requested 118 Requested Pickup	3/3 ID
DTM02 373	Date	CCYYMMDD	8/8 DT

TD5 Carrier Details (Routing Sequence/Transit Time)
TD5****M
TD5****K*McLane Truck

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
TD504 91	Transportation Method/Type Code	H Customer Pickup K Back Haul PT Pooled Truck LT Less than Trailer Load M Motor (Common Carrier) R Rail U Private Parcel Service (not a complete list)	1/2 ID
TD505 387	Routing	Free form description of the originating carrier's identity	1/35 AN

N9 Reference Identification
N9*VR*12345

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
N901 128	Reference Identification Qualifier	VR Vendor ID Number	2/3 ID
N902 127	Reference Identification	McLane Vendor Number Assigned by Purchasing Specialist	1/30 AN

MSG Message Text
MSG*Rush Order

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
MSG01 933	Message Text	Free-Form Message Text	1/264 AN

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N1 Name

N1*BT*McLane Company, INC.*9*0098305550960

N1*PD*John T. Buyer

N1*ST*McLane Southwest*9*0098305550100

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
N101 98	Entity Identifier Code	BT Bill To Party PD Purchasing Department Buyer ST Ship To	2/3 ID
N102 93	Name	Free form text name	1/60 AN
N103 66	Identification Code Qualifier	9 Duns Number + 4 char suffix	1/2 ID
N104 67	Identification Code	Identification Code	2/80 AN

N3 Address Information

N3*P. O. BOX 6131 (Bill To Address)

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
N301 166	Address Information	Free form text for line 1 of address	1/55 AN

N4 Geographic Location

N4*Temple*TX*76503 (Bill To Address)

N4*Salt Lake City*UT*94101 (Ship To Address)

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
N401 19	City Name	Free form text for city name	2/30 AN
N402 156	State or Province Code	State/Province Abbreviation	2/2 ID
N403 116	Postal Code	Zip Code	3/15 ID

REF Reference Numbers

REF*VR*987654321 (for Ship-To only)

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
REF01 128	Reference Number Qualifier	42 Phone Calls	2/3 ID
REF02 127	Reference Number	Telephone number including area code	1/30 AN

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PO1 Purchase Order Baseline Item Data

PO1**125*CA*20.84*PP*CB*000431163*UA*007331037467*VN*P98252322

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
PO102 330	Quantity Ordered	Numeric value of quantity ordered	1/15 R
PO103 355	Unit of Measurement Code	CA Case	2/2 ID
PO104 212	Unit Price	Price per unit of product, service, commodity, etc.	1/17 R
PO105 639	Basis of Unit Price Code	CP Current Price PE Case price calculated from eaches price PP Price per Pound	2/2 ID
PO106 235	Product/Service ID Qualifier	CB Buyer's Catalog Number	2/2 ID
PO107 234	Product/Service ID	McLane Item Number	1/48 AN
PO108 235	Product/Service ID Qualifier	UA UPC Case Code	2/2 ID
PO109 234	Product/Service ID	Case UPC Number	1/48 AN
PO110 235	Product/Service ID Qualifier	VN Vendor's Item Number	2/2 ID
PO111 234	Product/Service ID	Identifying Number	1/48 AN

PID Product/Item Description

PID*F****Napkin 13x17

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
PID01 349	Item Description Type	F Free Form	1/1 ID
PID05 352	Description	Free form description of the product/ item.	1/80 AN

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PO4 Item Physical Details

PO4*144*****845.32*LB*146.25*CF****IN*24

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
PO401 356	Pack	Number of inner pack units per outer pack unit	1/6 N0
PO406 384	Gross Weight per Pack	Numeric value of gross weight per pack	1/9 R
PO407 355	Unit or Basis for Measurement	LB Pounds	2/2 ID
PO408 385	Gross Volume per Pack	Numeric value of gross volume per pack	1/9 R
PO409 355	Unit or Basis for Measurement	CF Cubic Feet	2/2 ID
PO414 810	Inner pack	Number of units in each selling pack	1/6 N0

SAC Service, Promotion, Allowance, or Charge Information

SAC*A*D170***1500*****02*PN12345**Free Goods \$15.00 (without Rate info)

SAC*C*D240***4391***1.25443*****05*FC90234A**Freight Charge \$1.25443 per 100 CF

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
SAC01 248	Allowance or Charge Indicator	A Allowance C Charge	1/1 ID
SAC02 1300	Service, Promotion, Allowance or Charge Code	B130 Cigarette Stamping B320 Competitive Allowance C320 Display Allowance D170 Free Goods D240 Freight F800 Promotional Allowance (Not a complete list)	4/4 ID
SAC05 610	Amount	Total Monetary Amount (Positive)	1/15 N2
SAC08 118	Rate	Allowance or Charge Rate per unit (Positive)	1/9 R
SAC12 331	Allowance or Charge Method of Handling Code	02 Off Invoice (Not a Complete List)	2/2 ID
SAC13 127	Reference Identification	Number assigned referencing an allowance, promotion, deal or charge	1/30 AN
SAC15 352	Description	Free form description of allowance or charge	1/80 AN

Note: SAC05 takes precedence over the SAC08.

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CTT Transaction Totals
CTT*1*125*131*LB*250*CF

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
CTT01 354	Number of Line Items	Total number of line items in the transaction set	1/6 N0
CTT02 347	Hash Total	Total items ordered	1/10 R
CTT03 81	Weight	Numeric Value of Weight	1/10 R
CTT04 355	Unit of Measurement Code	LB Pound	2/2 ID
CTT05 183	Volume	Value of Volumetric Measure	1/8 R
CTT06 355	Unit of Measurement Code	CF Cubic Feet	2/2 ID

AMT Monetary Amount
AMT*TT*69.69

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
AMT01 522	Amount Qualifier Code	TT Total Transaction Amount	1/3 ID
AMT02 782	Monetary Amount	Monetary Amount	1/18 R

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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

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