

810 Invoice
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	
BIG	Beginning Segment for Invoice	M	1	
REF	Reference Numbers	O	12	
<i>Loop Id - N1</i>				200
N1	Name	O	1	
N3	Address Information	O	2	
N4	Geographic Location	O	1	
ITD	Terms of Sale/Deferred Terms of Sale	O	>1	
DTM	Date/Time Reference	O	10	
FOB	F.O.B. Related Instructions	O	1	

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

<i>Loop Id - IT1</i>				200000
IT1	Baseline Item Data (Invoice)	O	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	

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

TDS	Total Monetary Value Summary	M	1	
CAD	Carrier Detail	O	1	
<i>Loop Id - SAC</i>				25
SAC	Service, Promotion, Allowance, or Charge Information	O	1	
<i>Loop ID - ISS</i>				>1
ISS	Invoice Shipment Summary	O	1	
CTT	Transaction Totals	O	1	
SE	Transaction Set Trailer	M	1	
GE	Functional Group Trailer	M	1	
IEA	Interchange Control Trailer	M	1	

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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	Receivers 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 NO
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 positions)
Decimal Number	R
Identifier	ID
String	AN

Attribute Type	Symbol
ISA Date	DT (YYMMDD)
All other	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*CCYMMDD*HHMM*123456789*X*004010

Element Element #	Description	Qualifiers/Definition	Length Min/Max
GS01 479	Functional Identifier Code	IN Invoice	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	CCYMMDD	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*810*000000123

Element Element #	Description	Qualifiers/Definition	Length Min/Max
ST01 143	Transaction Set Identifier Code	810 Invoice	3/3 ID
ST02 329	Transaction Set Control Number	Control Number assigned by originator	4/9 AN

BIG Beginning Segment for Invoice

BIG*CCYMMDD*123456789*CCYMMDD*A12345-01

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
BIG01 373	Invoice Date	CCYMMDD	8/8 DT
BIG02 76	Invoice Number	Identifying Number assigned by Sender	1/22 AN
BIG03 373	Purchase Order Date	CCYMMDD	8/8 DT
BIG04 324	Purchase Order Number	McLane Purchase Order Number Associated with this Invoice	1/22 AN

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REF Reference Numbers

REF*BM*123456789

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
REF01 128	Reference Number Qualifier	BM Bill of Lading Number	2/3 ID
REF02 127	Reference Number	Bill of Lading Number	1/30 AN

N1 Name

N1*RE*VENDOR REMIT TO*9*D-U-N-S + 4

N1*ST*MCLANE SOUTHWEST*9*0098305550100

N1*BT*MCLANE COMPANY, INC.*1*009830555

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
N101 98	Entity Identifier Code	BT Bill to Name RE Remit to Name ST Ship to Name	2/3 ID
N102 93	Name	Free form text name	1/60 AN
N103 66	Identification Code Qualifier	1 DUNS Number 9 DUNS Number + 4 char suffix ZZ Mutually defined	1/2 ID
N104 67	Identification Code	Identification Number	2/80 AN

N3 Address Information

N3*Address for each N1

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

N4 Geographic Location

N4*City*ST*Zip Code + 4

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	Standard State abbreviation code	2/2 ID
N403 116	Postal Code	Zip code	3/15 ID

NOTE: McLane requires N3 and N4 segments for all N1 segments transmitted.

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ITD Terms of Sale/Deferred Terms of Sale

ITD*01*2*2**10**30*****2% 10 N30

ITD*03*3*2.75*20000319*5*20000319*30*123499

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
ITD01 336	Terms Type Code	01 Basic 03 Fixed Date 04 Deferred or Installment 05 Discount not Applicable 07 Extended 08 Basic -Discount offered 09 Proximo 14 Previously agreed upon	2/2 ID
ITD02 333	Terms Basis Date Code	1 Ship Date 2 Delivery Date 3 Invoice Date	1/2 ID
ITD03 338	Terms Discount Percent	Discount percentage, expressed as a percent	1/6 R
ITD04 370	Terms Discount Due Date	Date payment is due if discount is to be earned	8/8 DT
ITD05 351	Terms Discount Days Due	Number of days in the terms discount period	1/3 N0
ITD06 446	Terms Net Due Date	Date when total invoice amount becomes due	8/8 DT
ITD07 386	Terms Net Days	Number of days until total invoice is due (discount not applicable)	1/3 N0
ITD08 362	Terms Discount Amount	Total discount amount excluding decimal - assumed 2 places	1/10 N2
ITD09 388	Terms Deferred Due Date	Date Deferred Payment or Date Percent of Invoice Payable is Due	8/8 DT
ITD10 389	Deferred Amount Due	Deferred Amount Due for Payment	1/10 N2
ITD11 342	Percent of Invoice Payable	Amount of Invoice Payable Expressed in Percent	1/5 R
ITD12 352	Description	Free Form Message	1/80 AN
ITD13 765	Day of Month	Numeric Value of the Day of the Month Payment is Due	1/2 N0

Note: McLane requires a numeric value appear in data elements 351 (ITD05) and 386 (ITD07). Blanks in these fields will cause the invoice TO FAIL and will delay processing.

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DTM Date/Time Reference
DTM*011*CCYYMMDD

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
DTM01 374	Date/Time Qualifier	011 Shipped	3/3 ID
DTM02 373	Date	CCYYMMDD	8/8 DT

FOB F.O.B. Related Instructions
FOB*PP

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
FOB01 146	Shipment Method of Payment	CC Collect PP Prepaid (by Seller) PB Customer Pickup/Backhaul	2/2 ID

IT1 Baseline Item Data
IT1*1*169*CA*40.87**UA*345678901234*CB*048623*VN*999666999

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
IT101 350	Assigned Identification	Invoice Line Number	1/20 AN
IT102 358	Quantity Invoiced	Numeric value of quantity invoiced	1/10 R
IT103 355	Unit of Measurement code	CA Case EA Each PL Pallet/Unit Load	2/2 ID
IT104 212	Unit Price	Price per unit of product, service, commodity, etc...	1/17 R
IT106 235	Product/Service ID Qualifier	UA UPC/EAN Case Code (2-5-5)	2/2 ID
IT107 234	Product Service ID	UPC-Case Code	1/48 AN
IT108 235	Product Service ID Qualifier	CB Buyer's Catalog Number	2/2 ID
IT109 234	Product Service ID	McLane Item Number	1/48 AN
IT110 235	Product Service ID Qualifier	VN Vendor's Item Number	2/2 ID
IT111 234	Product Service ID	Vendor's Item Number	1/48 AN

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PID Product/Item Description
PID*F****Item Description

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

PO4 Item Physical Details
PO4*12

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
PO401 356	Pack	Number of inner pack units per outer pack unit	1/6 N0

SAC Service, Promotion, Allowance, or Charge Information
SAC*A*F800***30*****02*12345**Promo Allowance

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 Allowance Amount	1/15 N2
SAC08 118	Rate	Allowance or Charge rate per Unit	1/9 R
SAC12 331	Allowance or Charge Method of Handling Code	01 Bill Back 02 Off Invoice 05 Charge (Paid by Vendor) 06 Charge (paid by Customer) (NOT A COMPLETE LIST)	2/2 ID
SAC13 127	Reference Number	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: The SAC05 is required and must be greater than or equal to zero (SAC05 ≥ 0)

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TDS Total Monetary Value Summary
TDS*64040216220539*183482**

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
TDS01 610	Total Invoice Amount	Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)	1/15 N2
TDS03 610	Discounted Amount Due	Amount of invoice due if paid by terms discount due date	1/15 N2
TDS04 610	Terms Discount Amount	Total amount of terms discount.	1/15 N2

CAD Carrier Detail
CAD*M**ROADWAY**

Element Element #	Description	Qualifiers/Definition	Length Min/Max
CAD01 91	Transportation Method/Type Code	K Back Haul M Motor (Common Carrier) R Rail U Private Parcel Service ZZ Mutually Defined (Not a Complete List)	1/2 ID
CAD05 387	Routing	Free form description of the routing requested for shipment, or the originating carrier's identity	1/35 AN

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SAC Service, Promotion, Allowance, or Charge Information
SAC*A*F800***30*****02*12345**Promo Allowance

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 Allowance Amount	1/15 N2
SAC08 118	Rate	Allowance or Charge rate per Unit	1/9 R
SAC12 331	Allowance or Charge Method of Handling Code	01 Bill Back 02 Off Invoice (NOT A COMPLETE LIST)	2/2 ID
SAC13 127	Reference Number	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: The SAC05 is required and must be greater than or equal to zero (SAC05 ≥ 0)

ISS Invoice Shipment Summary
ISS*37*CA*219*LB*3700*CF

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
ISS01 382	Number of Units Shipped	Numeric value of units shipped	1/10 R
ISS02 355	Unit or Basis for Measurement Code	CA Case	2/2 ID
ISS03 81	Weight	Numeric value of weight	1/10 R
ISS04 355	Unit or Basis for Measurement Code	LB Pounds	2/2 ID
ISS05 183	Volume	Value of Volumetric Measure	1/8 R
ISS06 355	Unit or Basis for Measurement Code	CF Cubic Feet	2/2 ID

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**CTT Transaction Totals
CTT*12**

Element Element #	Description	Qualifiers/Definition	Min/Max Attributes
CTT01 354	Number of Line Items	Total number of line items on the invoice	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

**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