



VIPAR Heavy Duty EDI Implementation Guide

EDI 810 Invoice (ASC X12 Version 3030)

Last Updated: December 13, 2002

This document specifies the VIPAR Heavy Duty “V-Enterprise” requirements for implementing the EDI 810 Invoice for ASC X12 Version 3030. It is the intent of this document to serve as addendum to the ASC X12 EDI Standards documentation.

810 Invoice

Included in this document:

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Section 1

810 Invoice Segment Requirements

This section describes the requirements for the VHD utilized segments within the 810 Invoice.

Segment	Page
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810

Invoice

Functional Group = IN

This guideline contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set shall be used for the electronic billing for goods and services provided to VIPAR Heavy Duty distributors.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
030	NTE	Note/Special Instructions	O	2		
040	CUR	Currency	M	1		
050	REF	Reference Identification	O	2		

LOOP ID - N1

200

070	N1	Name	O	1		
090	N3	Address Information	O	2		
100	N4	Geographic Location	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
140	DTM	Date/Time Reference	O	10		
150	FOB	F.O.B. Related Instructions	O	1		

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - IT1</u>			<u>200000</u>			
010	IT1	Baseline Item Data (detail)	O	1		
040	TXI	Tax Information (detail)	O	1	10	
060	PID	Product/Item Description (detail)	O	1	10	
180	ITA	Allowance, Charge, Service (detail)	O	1	10	

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	TDS	Total Monetary Value Summary	M	1		
020	TXI	Tax Information (summary)	O	10		
030	CAD	Carrier Detail	O	1		
040	ITA	Allowance, Charge, Service (summary)	O	1		
060	ISS	Invoice Ship Summary	O	5		
080	CTT	Transaction Totals	M	1		
090	SE	Transaction Set Trailer	M	1		

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number.

Example:

ST*810*123456^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	Transaction Set Identifier Code Description: Code uniquely identifying a Transaction Set	M	ID	3/3
		<u>Code</u> <u>NAME</u> 810 Invoice			
ST02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

BIG Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates.

Example:

BIG*021224*INV12345*021220*PO12345*PR^**

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BIG01	245	Invoice Date Description: Date expressed as YYMMDD	M	DT	6/6
BIG02	76	Invoice Number Description: Identifying number assigned by issuer	M	AN	1/22
BIG03	323	Purchase Order Date Description: Date expressed as YYMMDD	M	DT	6/6
BIG04	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the purchaser	M	AN	1/22
BIG07	640	Transaction Type Code Description: Code specifying the type of transaction	O	ID	2/2
		<u>Code</u> <u>NAME</u>			
		CR Credit Memo			
		DR Debit Memo			
		PR Product (or Service)			

NTE Note/Special Instruction

Pos: 030	Max: 2
Heading - Optional	
Loop: N/A	Elements: 2

To specify the special notes or instructions.

Example:

NTE*INV*PROMOTIONAL DISCOUNT APPLIED^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
NTE01	363	Note Reference Code Description: Code identifying the purpose for which the note applies <u>Code NAME</u> GEN General Message INV Invoice Instruction	O	ID	3/3
NTE02	3	Free Form Message Description: Free-form text message Note: If NTE01 present, then NTE02 is required	X	AN	1/60

CUR Currency

Pos: 040	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

Example:

CUR*SE*USD^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CUR01	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <u>Code</u> <u>NAME</u> BY Buying Party (Purchaser) SE Selling Party	M	ID	2/2
CUR02	100	Currency Code Description: Code (Standard ISO) for country in whose currency the charges are specified <u>Code</u> <u>NAME</u> CAD Canadian Dollar MXP Mexican Peso USD U.S. Dollar	M	ID	3/3

REF Reference Identification

Pos: 050	Max: 2
Heading - Optional	
Loop: N/A	Elements: 2

To specify identifying information.

Example:

REF*BM*0798765001^
REF*PK*1667-98^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification	M	ID	2/2
		<u>Code</u> <u>NAME</u> BM Bill of Lading Number PK Packing Slip Number			
REF02	127	Reference Identification Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Note: If REF01 present, then REF02 is required	X	AN	1/30

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code.

VIPAR Notes:

VIPAR Heavy Duty does not support the DUNS + 4 for designating distributor Ship To (ST) locations. The distributor Ship To codes are assigned by the individual distributor (purchaser) and are provided to the supplier (seller). Also: VIPAR does not support supplier-assigned account numbers in lieu of the distributor-assigned numbers.

Example:

N1*BY*MIDWAY TRUCK PARTS*92*1234567890^
 N1*BT*MIDWAY TRUCK PARTS*92*1234567890^
 N1*ST*MIDWAY NAPERVILLE WAREHOUSE*ZZ*W10^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																
N101	98	Entity Identifier Code Description: Code identifying an organizational entity, a physical location, property or an individual <table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>BT</td> <td>Bill To</td> </tr> <tr> <td>BY</td> <td>Buying Party (Purchaser)</td> </tr> <tr> <td>VN</td> <td>Vendor (Seller)</td> </tr> <tr> <td>SU</td> <td>Supplier (Seller)</td> </tr> <tr> <td>RE</td> <td>Remit To</td> </tr> <tr> <td>SF</td> <td>Ship From</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> </table>	<u>Code</u>	<u>NAME</u>	BT	Bill To	BY	Buying Party (Purchaser)	VN	Vendor (Seller)	SU	Supplier (Seller)	RE	Remit To	SF	Ship From	ST	Ship To	M	ID	22
<u>Code</u>	<u>NAME</u>																				
BT	Bill To																				
BY	Buying Party (Purchaser)																				
VN	Vendor (Seller)																				
SU	Supplier (Seller)																				
RE	Remit To																				
SF	Ship From																				
ST	Ship To																				
N102	93	Name Description: Free-form name	X	AN	1/35																
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for Identification Code (67) <table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> <tr> <td>1</td> <td>D-U-N-S Number, Dun & Bradstreet</td> </tr> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </table> <p>Note: If either N103 or N104 is present, the other is required</p>	<u>Code</u>	<u>NAME</u>	ZZ	Mutually Defined	1	D-U-N-S Number, Dun & Bradstreet	91	Assigned by Seller or Seller's Agent	92	Assigned by Buyer or Buyer's Agent	X	ID	1/2						
<u>Code</u>	<u>NAME</u>																				
ZZ	Mutually Defined																				
1	D-U-N-S Number, Dun & Bradstreet																				
91	Assigned by Seller or Seller's Agent																				
92	Assigned by Buyer or Buyer's Agent																				
N104	67	Identification Code Description: Code identifying a party or other code Note: If either N103 or N104 is present, the other is required	X	AN	2/17																

N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party.

Example:

N3*56 LITTLE FOX RUN*SUITE 123^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address1 Information Description: Address information	M	AN	1/35
N302	166	Address2 Information Description: Address information (I.e. suite number, PO box, etc.)	O	AN	1/35

N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

To specify the geographic place of the named party.

Example:

N4*SHELTON*CT*22317*USA^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N401	19	City Name Description: Free-form text for city name	O	AN	2/30
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency	O	ID	2/2
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O	ID	3/9
N404	26	Country Code Description: Code identifying the country	O	ID	2/3

<u>Code</u>	<u>NAME</u>
CAN	Canada
MEX	Mexico
USA	U.S.A.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 5
Heading - Optional	
Loop: N/A	Elements: 13

To specify terms of sale.

Example:

ITD*14*3*2.0*020315*21**30**020315**100.0**15*C*0.0^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max																		
ITD01	336	Terms Type Code Description: Code identifying type of payment terms <table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>01</td> <td>Basic</td> </tr> <tr> <td>02</td> <td>End of Month</td> </tr> <tr> <td>03</td> <td>Fixed Date</td> </tr> <tr> <td>05</td> <td>Discount Not Applicable</td> </tr> <tr> <td>07</td> <td>Extended</td> </tr> <tr> <td>18</td> <td>Fixed Date, Late Payment Penalty Applies</td> </tr> <tr> <td>22</td> <td>Cash Discount Terms Apply</td> </tr> <tr> <td>23</td> <td>Payment Due upon Receipt of Invoice</td> </tr> </table> <p>Note: Segment may contain <u>any other custom</u> 2-character values as assigned by the supplier (sender) and agreed to by distributor (purchaser).</p>	<u>Code</u>	<u>NAME</u>	01	Basic	02	End of Month	03	Fixed Date	05	Discount Not Applicable	07	Extended	18	Fixed Date, Late Payment Penalty Applies	22	Cash Discount Terms Apply	23	Payment Due upon Receipt of Invoice	O	ID	2/2
<u>Code</u>	<u>NAME</u>																						
01	Basic																						
02	End of Month																						
03	Fixed Date																						
05	Discount Not Applicable																						
07	Extended																						
18	Fixed Date, Late Payment Penalty Applies																						
22	Cash Discount Terms Apply																						
23	Payment Due upon Receipt of Invoice																						
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period. <table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>3</td> <td>Invoice Date (default)</td> </tr> </table>	<u>Code</u>	<u>NAME</u>	3	Invoice Date (default)	O	ID	1/2														
<u>Code</u>	<u>NAME</u>																						
3	Invoice Date (default)																						
ITD03	338	Terms Discount Percent Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Include decimal point if not a whole number. (example: 2.5 = 2.5%) <p>Note: If ITD03 is present, then ITD04, ITD05, or ITD13 is required</p>	O	R	1/6																		
ITD04	370	Terms Discount Due Date Description: Date payment is due if discount is to be earned expressed in format YYMMDD <p>Note: If ITD03 is present, then ITD04, ITD05, or ITD13 is required</p>	X	DT	6/6																		
ITD05	351	Terms Discount Days Due Description: Number of days in the terms discount period by which payment is due if term discount is earned. <p>Note: If ITD03 is present then ITD04, ITD05, or ITD13 is required</p>	X	N0	1/3																		

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD06	446	Terms Net Due Date (Invoice Due Date) Description: Date when total invoice amount becomes due expressed in format YYMMDD Note: If ITD01 is present, than ITD06 or IRD07 is required	X	DT	6/6
ITD07	386	Terms Net Days Description: Number of days until the total invoice amount is due (discount not applicable). Note: If ITD01 is present, than ITD06 or IRD07 is required	O	N0	1/3
ITD09	388	Terms Deferred Due Date Description: Date deferred payment or percentage of invoice payable is due	O	DT	6/6
ITD11	342	Percent of Invoice Payable Description: Amount of invoice payable expressed in percent Note: If ITD09 is present, then ITD11 is required	X	R	1/5
ITD12	352	Description of Terms Description: Free-form text description of payment terms	O	AN	1/80
ITD13	765	Day of Month Description: The numeric value of the day of the month between 1 and the maximum number of days in the month Note: If ITD03 is present, then ITD04, ITD05, or ITD13 is required	X	N0	1/2
ITD14	107	Payment Method Code Description: Code identifying type of payment procedures <u>Code</u> <u>NAME</u> C Pay by Check R Related Detail Account (account that provides supporting data for a billing or summary amount)	O	ID	1/1
ITD15	954	Percent Description: Percentage expressed as a decimal Note: For example 0.0	O	R	1/10

DTM Date/Time Reference

Pos: 140	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

To specify pertinent dates and times.

Example:

DTM*011*021225^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	Date/Time Qualifier Description: Code specifying type of date or time, or both date and time	M	ID	3/3
		<u>Code</u> <u>NAME</u> 011 Shipped			
DTM02	373	Date Description: Date expressed as YYMMDD Note: If DTM01 is present, then DTM02 is required	X	DT	6/6

FOB F.O.B. Related Instructions

Pos: 150	Max: 1
Heading - Optional	
Loop: N/A	Elements: 1

To specify transportation instructions relating to shipment.

Example:

FOB*CC^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2

Description: Code identifying payment terms for transportation charges

<u>Code</u>	<u>NAME</u>
BP	Buyer Paid
CC	Collect
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
PU	Pickup

IT1 Baseline Item Data (Detail)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 6

To specify line item data for the invoice and related transactions.

Example:

IT1*001*8*EA*56.98**BP*BK9987X*VP*BK9987^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																																		
IT101	350	Assigned Identification (line number) Description: Alphanumeric characters assigned for differentiation within a transaction set Notes: Should reflect buyer's unique line number	O	AN	1/11																																		
IT102	358	Quantity Invoiced Description: Number of units invoiced	M	R	1/10																																		
IT103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>NAME</u></th> </tr> </thead> <tbody> <tr><td>CA</td><td>Case</td></tr> <tr><td>CT</td><td>Carton</td></tr> <tr><td>EA</td><td>Each (default)</td></tr> <tr><td>FT</td><td>Foot</td></tr> <tr><td>HU</td><td>Hundred</td></tr> <tr><td>KG</td><td>Kilogram</td></tr> <tr><td>LB</td><td>Pound</td></tr> <tr><td>MR</td><td>Meter</td></tr> <tr><td>PC</td><td>Piece</td></tr> <tr><td>PK</td><td>Package</td></tr> <tr><td>RD</td><td>Rod (length) - 5.5 Yards</td></tr> <tr><td>RE</td><td>Reel</td></tr> <tr><td>RL</td><td>Roll</td></tr> <tr><td>SH</td><td>Sheet</td></tr> <tr><td>SO</td><td>Spool</td></tr> <tr><td>TH</td><td>Thousand</td></tr> </tbody> </table>	<u>Code</u>	<u>NAME</u>	CA	Case	CT	Carton	EA	Each (default)	FT	Foot	HU	Hundred	KG	Kilogram	LB	Pound	MR	Meter	PC	Piece	PK	Package	RD	Rod (length) - 5.5 Yards	RE	Reel	RL	Roll	SH	Sheet	SO	Spool	TH	Thousand	M	ID	2/2
<u>Code</u>	<u>NAME</u>																																						
CA	Case																																						
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KG	Kilogram																																						
LB	Pound																																						
MR	Meter																																						
PC	Piece																																						
PK	Package																																						
RD	Rod (length) - 5.5 Yards																																						
RE	Reel																																						
RL	Roll																																						
SH	Sheet																																						
SO	Spool																																						
TH	Thousand																																						
IT104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	M	R	1/14																																		
IT106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>NAME</u></th> </tr> </thead> <tbody> <tr><td>BP</td><td>Buyer's Part Number</td></tr> <tr><td>MF</td><td>Manufacturer</td></tr> <tr><td>MG</td><td>Manufacturer's Part Number</td></tr> <tr><td>UP</td><td>U.P.C. Consumer Package Code (1-5-5-1)</td></tr> </tbody> </table>	<u>Code</u>	<u>NAME</u>	BP	Buyer's Part Number	MF	Manufacturer	MG	Manufacturer's Part Number	UP	U.P.C. Consumer Package Code (1-5-5-1)	O	ID	2/2																								
<u>Code</u>	<u>NAME</u>																																						
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UP	U.P.C. Consumer Package Code (1-5-5-1)																																						

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
		VN Vendor (Sellers) Item Number			
		VP Vendor's (Seller's) Part Number			
		Note: Qualifiers in blue/bold are preferred			
IT107	234	Product/Service ID (part number)	X	AN	1/30
		Description: Identifying number for a product or service			
		Note: If IT106 present, then IT107 is required			

TXI Tax Information (Detail)

Pos: 040 Max: 10
 Detailed - Optional
 Loop: IT1 Elements: 4

To specify tax information at the detailed line item level.

Example:

TXI*VA*3.17**CD*ITEM-TAX^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TXI01	963	Tax Type Code Description: Code specifying the type of tax	M	ID	2/2
		Code NAME			
		CG Federal Value-Added Tax			
		CP County/Parish Sales Tax			
		CS City Sales Tax			
		GS Goods and Services Tax (Canadian value-added tax)			
		LS State and Local Sales Tax			
		FD Federal Tax			
		PG State or Provincial Tax on Goods			
		SL State and Local Tax			
		SP State/Provincial Tax (State tax levied which excludes sales or excise taxes)			
		ST State Sales Tax			
		TX All Taxes			
		VA Value-Added Tax			
TXI02	782	Monetary Amount Description: Monetary amount Note: If TXI01 is present, then TXI02 is required	X	R	1/15
TXI04	955	Tax Jurisdiction Code Qualifier Description: Code identifying the source of the data used in tax jurisdiction code Note: If TXI05 is present, then TXI04 is required	X	ID	2/2
TXI05	956	Tax Jurisdiction Code Description: Code identifying the taxing jurisdiction Note: If TXI04 is present, then TXI05 is required	X	AN	1/10

PID Product/Item Description (Detail)

Pos: 060	Max: 1
Detail - Optional	
Loop: PID (IT1)	Elements: 2

To describe a product or process in coded or free-form format.

Example:

PID*F****BRAKE SHOE^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>				
PID01	349	Item Description Type Description: Code indicating the format of a description <table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>F</td> <td>Free-form</td> </tr> </table>	<u>Code</u>	<u>NAME</u>	F	Free-form	M	ID	1/1
<u>Code</u>	<u>NAME</u>								
F	Free-form								
PID05	352	Description Description: A free-form description to clarify the related data elements and their content Note: If PID01 = F, then PID05 is required.	X	AN	1/80				

ITA Allowance, Charge or Service (Detail)

Pos: 180	Max: 1
Detail - Optional	
Loop: ITA (IT1)	Elements: 8

To specify allowances, charges, or services at the detailed line item level.

Example:

ITA*A**XP*06***-2700*****-1*CORE RETURN*COR^

or

ITA*C**XP*06***4800*****1*CORE CHARGE*CRC^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ITA01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the services specified	M	ID	1/1
		<u>Code</u> <u>NAME</u> A Allowance C Charge N No Allowance or Charge			
		Note: If ITA01 = A or C, then ITA07 is required			
ITA03	560	Special Services Code Description: Code identifying the special service	X	ID	2/10
		<u>Code</u> <u>NAME</u> FG Free Goods XP Expanded Service (Core Charge) EM Emergency Service HC Handling Service SH Special Handling Service			
		Note: Segment may contain other custom codes as assigned by the supplier (sender) and agreed to by the distributor (receiver).			
ITA04	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for allowance or charge	M	ID	2/2
		<u>Code</u> <u>NAME</u> 06 Charge Paid by Customer (use when ITA03 is XP) ZZ Mutually Defined (use when ITA03 is FG)			
ITA05	341	Allowance or Charge Number Description: Number assigned by a vendor referencing an allowance, promotion, deal, or charge	O	AN	1/16
ITA07	360	Allowance or Charge Total Amount Description: Total dollar amount of allowance or charge	O	N2	1/9
		Note: If ITA01 = A or C, then ITA07 is required			

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITA12	380	Quantity Description: Numeric description of quantity (I.E. quantity of cores)	O	R	1/15
ITA13	352	Description Description: Free-form text description of allowance, charge or service	O	AN	1/80
ITA14	150	Special Charge or Allowance Code Description: Code identifying the type of special charge or allowance	X	ID	3/3

<u>Code</u>	<u>NAME</u>
COR	Core Charge
CRC	Core Charge
HAN	Handling Charge
MAD	Minimum Order Charge
ZZZ	Instant Rebate
275	Trailer load Discount
350	Expedited Ship Charge
400	Freight Charge

Note: If ITA02 is present, then ITA03, ITA13 or ITA14 is required

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To specify the total invoice discounts and amounts.

Note:

For all data elements within this segment, the decimal point is assumed and should not be included in the amount.

Example:

[TDS*1465^](#)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TDS01	361	Total Invoice Amount Description: Monetary amount	M	N2	1/10
TDS02	390	Total Amount Subject to Discount Description: Monetary amount upon which the terms discount amount is calculated Note: TDS02 is required if the dollar amount value subject to discount is not equal to the dollar value of TDS01.	O	N2	1/10

TXI Tax Information (Summary)

Pos: 020	Max: 10
Summary - Optional	
Loop: N/A	Elements: 4

To specify tax information at the detailed line item level.

Example:

TXI*GS*10.17**CD*PWC^
TXI*ST*5.10**CD*STC^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																										
TXI01	963	Tax Type Code Description: Code specifying the type of tax	M	ID	2/2																										
		<table border="0"> <thead> <tr> <th><u>Code</u></th> <th><u>NAME</u></th> </tr> </thead> <tbody> <tr><td>CG</td><td>Federal Value-Added Tax</td></tr> <tr><td>CP</td><td>County/Parish Sales Tax</td></tr> <tr><td>CS</td><td>City Sales Tax</td></tr> <tr><td>GS</td><td>Goods and Services Tax (Canadian value-added tax)</td></tr> <tr><td>LS</td><td>State and Local Sales Tax</td></tr> <tr><td>FD</td><td>Federal Tax</td></tr> <tr><td>PG</td><td>State or Provincial Tax on Goods</td></tr> <tr><td>SL</td><td>State and Local Tax</td></tr> <tr><td>SP</td><td>State/Provincial Tax (State tax levied which excludes sales or excise taxes)</td></tr> <tr><td>ST</td><td>State Sales Tax</td></tr> <tr><td>TX</td><td>All Taxes</td></tr> <tr><td>VA</td><td>Value-Added Tax</td></tr> </tbody> </table>	<u>Code</u>	<u>NAME</u>	CG	Federal Value-Added Tax	CP	County/Parish Sales Tax	CS	City Sales Tax	GS	Goods and Services Tax (Canadian value-added tax)	LS	State and Local Sales Tax	FD	Federal Tax	PG	State or Provincial Tax on Goods	SL	State and Local Tax	SP	State/Provincial Tax (State tax levied which excludes sales or excise taxes)	ST	State Sales Tax	TX	All Taxes	VA	Value-Added Tax			
<u>Code</u>	<u>NAME</u>																														
CG	Federal Value-Added Tax																														
CP	County/Parish Sales Tax																														
CS	City Sales Tax																														
GS	Goods and Services Tax (Canadian value-added tax)																														
LS	State and Local Sales Tax																														
FD	Federal Tax																														
PG	State or Provincial Tax on Goods																														
SL	State and Local Tax																														
SP	State/Provincial Tax (State tax levied which excludes sales or excise taxes)																														
ST	State Sales Tax																														
TX	All Taxes																														
VA	Value-Added Tax																														
TXI02	782	Monetary Amount Description: Monetary amount Note: If TXI01 is present, then TXI02 is required	X	R	1/15																										
TXI04	955	Tax Jurisdiction Code Qualifier Description: Code identifying the source of the data used in tax jurisdiction code Note: If TXI05 is present, then TXI04 is required	X	ID	2/2																										
TXI05	956	Tax Jurisdiction Code Description: Code identifying the taxing jurisdiction Note: If TXI04 is present, then TXI05 is required	X	AN	1/10																										

CAD Carrier Detail

Pos: 030	Max: 1
Summary - Optional	
Loop: N/A	Elements: 6

To specify transportation details for the transaction at the summary level.

Example:

CAD*M***AFWY***BM*BL882776^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>																														
CAD01	91	Transportation Method/Type Code Description: Code specifying the method or type of transportation for the shipment	O	ID	1/2																														
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>7</td> <td>Mail</td> </tr> <tr> <td>A</td> <td>Air</td> </tr> <tr> <td>C</td> <td>Consolidation</td> </tr> <tr> <td>E</td> <td>Expedited Truck</td> </tr> <tr> <td>H</td> <td>Customer Pickup</td> </tr> <tr> <td>M</td> <td>Motor (Common Carrier)</td> </tr> <tr> <td>R</td> <td>Rail</td> </tr> <tr> <td>S</td> <td>Ocean</td> </tr> <tr> <td>T</td> <td>Best Way (Shippers Option)</td> </tr> <tr> <td>U</td> <td>Private Parcel Service</td> </tr> <tr> <td>AE</td> <td>Air Express</td> </tr> <tr> <td>LT</td> <td>Less Than Trailer Load (LTL)</td> </tr> <tr> <td>SR</td> <td>Supplier Truck</td> </tr> <tr> <td>ZZ</td> <td>Mutually Defined</td> </tr> </table>	<u>Code</u>	<u>NAME</u>	7	Mail	A	Air	C	Consolidation	E	Expedited Truck	H	Customer Pickup	M	Motor (Common Carrier)	R	Rail	S	Ocean	T	Best Way (Shippers Option)	U	Private Parcel Service	AE	Air Express	LT	Less Than Trailer Load (LTL)	SR	Supplier Truck	ZZ	Mutually Defined			
<u>Code</u>	<u>NAME</u>																																		
7	Mail																																		
A	Air																																		
C	Consolidation																																		
E	Expedited Truck																																		
H	Customer Pickup																																		
M	Motor (Common Carrier)																																		
R	Rail																																		
S	Ocean																																		
T	Best Way (Shippers Option)																																		
U	Private Parcel Service																																		
AE	Air Express																																		
LT	Less Than Trailer Load (LTL)																																		
SR	Supplier Truck																																		
ZZ	Mutually Defined																																		
		Note: If CAD01 is present, then CAD04 is required																																	
CAD04	140	Standard Carrier Alpha Code Description: Standard Carrier Alpha Code	X	ID	2/4																														
		Note: If CAD01 is present, then CAD04 is required																																	
CAD07	128	Reference Number Qualifier Description: Code qualifying the reference number	O	ID	2/2																														
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>NAME</u></td> </tr> <tr> <td>BM</td> <td>Bill of Lading Number</td> </tr> </table>	<u>Code</u>	<u>NAME</u>	BM	Bill of Lading Number																													
<u>Code</u>	<u>NAME</u>																																		
BM	Bill of Lading Number																																		
CAD08	127	Reference Number Description: Reference number or identification number as defined for a particular transaction set or as specified by the reference number qualifier	X	AN	1/30																														
		Note: If CAD07 is present, then CAD08 is required.																																	

ITA Allowance, Charge or Service (Summary)

Pos: 040 Max: 1
Summary - Optional
 Loop: ITA Elements: 8

To specify allowances, charges, or services at the summary level.

Example:

ITA*C***06***351*****FREIGHT CHARGE*400^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITA01	248	Allowance or Charge Indicator Description: Code which indicates an allowance or charge for the services specified	M	ID	1/1
		<u>Code</u> <u>NAME</u> A Allowance C Charge N No Allowance or Charge			
		Note: If ITA01 = A or C, then ITA07 is required			
ITA03	560	Special Services Code Description: Code identifying the special service	X	ID	2/10
		<u>Code</u> <u>NAME</u> FG Free Goods XP Expanded Service (I.e. Core Charge) EM Emergency Service HC Handling Service SH Special Handling Service			
ITA04	331	Allowance or Charge Method of Handling Code Description: Code indicating method of handling for allowance or charge	M	ID	2/2
		<u>Code</u> <u>NAME</u> 06 Charge Paid by Customer (use when ITA03 is XP) ZZ Mutually Defined (use when ITA03 is FG)			
ITA05	341	Allowance or Charge Number Description: Number assigned by a vendor referencing an allowance, promotion, deal, or charge	O	AN	1/16
ITA07	360	Allowance or Charge Total Amount Description: Total dollar amount of allowance or charge Note: If ITA01 = A or C, then ITA07 is required	O	N2	1/9
ITA12	380	Quantity Description: Numeric description of quantity (I.E. quantity of cores)	O	R	1/15
ITA13	352	Description	O	AN	1/80

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
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Description: Free-form text description of allowance, charge or service

ITA14	150	Special Charge or Allowance Code	X	ID	3/3
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Description: Code identifying the type of special charge or allowance

<u>Code</u>	<u>NAME</u>
COR	Core Charge
CRC	Core Charge
HAN	Handling Charge
MAD	Minimum Order Charge
ZZZ	Instant Rebate
275	Trailer load Discount
350	Expedited Ship Charge
400	Freight Charge

Note: If ITA02 is present, then ITA03, ITA13 or ITA14 is required

ISS Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

To specify summary details of total items shipped in terms of quantity, weight, and volume

Example:

ISS*15*EA*100*LB^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISS01	382	Number of Units Shipped Description: Numeric value of units shipped	M	R	1/10
ISS02	355	Units or Basis for Measurement Description: Code specifying the units in which a value is being expressed <u>Code</u> <u>NAME</u> EA Each Note: If ISS01 is present, then ISS02 is required	X	ID	2/2
ISS03	81	Weight Description: Numeric value of weight	X	R	1/10
ISS04	355	Unit of Basis for Measurement Code Description: Code specifying the units in which a value is being expressed <u>Code</u> <u>NAME</u> LB Pound Note: Any ASC X12 approved code may be used Note2: If ISS03 is present, then ISS04 is required	X	ID	2/2

CTT Transaction Totals

Pos: 070	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To transmit the number of line items and a hash total for the transaction set.

Example:

CTT*20*1015^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items Description: Total number of line items in the transaction set	M	N0	1/6
CTT02	347	Hash Total Description: Sum of values of the IT102.	O	R	1/10

SE Transaction Set Trailer

Pos: 090	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

Example:

SE*50*0010^

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set including ST and SE segments	M	N0	1/10
SE02	329	Transaction Set Control Number Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M	AN	4/9

Section 2

810 Invoice Example Transaction

This section contains an example transaction showing the use of the segments within the 810 Invoice. Note: The example may not show all segments or qualifier combinations.



ISA*00* 00* 01*SENDER 01*RECEIVER *020508*2216*U*00303*000004189*0*P*>^
GS*IN*SENDER*RECEIVER*020508*2216*56789*X*003030^
ST*810*123456^
BIG*021224*INV12345*021220*PO12345***PR^
NTE*INV*PROMOTIONAL DISCOUNT APPLIED^
CUR*SE*USD^
REF*BM*0798765001^
REF*PK*1667-98^
N1*BY*DISTRIBUTOR*92*1234567890^
N1*BT*DISTRIBUTOR*92*1234567890^
N3*100 SIMONS WAY*SUITE 410^
N4*CHICAGO*IL*60001*USA^
N1*ST*DISTRIBUTOR WAREHOUSE*ZZ*W10^
N1*VN*SUPPLIER*ZZ*56789012^
N1*RE*SUPPLIER*ZZ*56789012^
N3*1500 LANCASTER AVE*PO BOX 1501^
N4*CHICAGO*IL*60001*USA^
N1*SF*SUPPLIER WAREHOUSE*ZZ*CLE^
ITD*14*3*2.0*020315*21**30**020315**100.0**15*C*0.0^
DTM*011*021225^
FOB*CC^
IT1*001*5*EA*10.15**VP*AB8876-U^
PID*F***BRAKE SHOE^
IT1*002*4*EA*45.15**VP*BY78865^
PID*F***SLACK ADJUSTER^
IT1*003*8*EA*56.98**BP*BK9987X*VP*BK9987^
PID*F***HUBODOMETER^
IT1*004*20*EA*86.19**VP*HT7765^
TXI*VA*3.17**CD*ITEM-TAX^
PID*F***SPCL EXHAUST^
IT1*005*-1*EA*0**BP*TH28600X/228*VP*TH28600X^
PID*F***VALVE FF2^
ITA*A**XP*06***-2700***-1*CORE RETURN*COR^
IT1*006*0*EA*0**BP*XZ28510X*VP*XZ28510X^
PID*F***CORE /225^
ITA*C**XP*06***4800***1*CORE CHARGE*CRC^
TDS*1465^
TXI*GS*10.17**CD*PWC^
TXI*ST*5.10**CD*STC^
CAD*M***AFWY***BM*BL882776^
ITA*C***06***351*****FREIGHT CHARGE*400^
ISS*15*EA*100*LB^
CTT*6*36^
SE*42*123456^
GE*1*56789^
IEA*1*000004189^

Note: This sample transaction set has been tested for compliance with the guidelines