



EDI Specifications
Version 4010 / Transaction Set 810
Invoice

Contents

810 INVOICE	3
ISA	4
GS	6
ST	7
BIG	8
CUR	9
N1	10
N2	11
N3	12
N4	13
ITD	14
DTM	15
IT1	16
PID	18
TDS	19
CAD	20
SAC	22
CTT	23
SE	24
GE	25
IEA	26

810 Invoice

Functional Group=**IN**

This Draft Standard for Trial Use 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 can be to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Segments Summary

Req. (Requirement Flag): M - Mandatory, O - Optional

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req.</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
NOT DEFINED						
	ISA	Interchange Control Header	M	1		
	GS	Functional Group Header	M	1		
HEADING						
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
040	CUR	Currency	O	1		
LOOP ID – N1						
070	N1	Name	O	1		
080	N2	Additional Name Information	O	2		
090	N3	Address Information	O	2		
100	N4	Geographic Location	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
140	DTM	Date/Time Reference	O	1		
DETAIL						
LOOP ID – IT1						
					200000	
010	IT1	Baseline Item Data (Invoice)	M	1	1	
LOOP ID – PID						
					1000	
060	PID	Product Item Description	O	1	11	
SUMMARY						
010	TDS	Total monetary value summary	M	1		
030	CAD	Carrier Detail	O	1		
LOOP ID – SAC						
					25	
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1	1	
070	CTT	Transaction Totals	O	1	1	
080	SE	Transaction Set Trailer	M	1		
NOT DEFINED						
	GE	Functional Group Trailer	M	1		
	IEA	Interchange Control Trailer	M	1		

ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

ISA Element Summary:

Ref	Id	Element Name	Req.	Type	Min/Max
ISA01	I01	Authorization Information Qualifier	M	ID	2/2
Description: Code identifying the type of information in the Authorization Information					
		Code	Name		
		00	No Authorization Information Present (No Meaningful Information in I02)		
ISA02	I02	Authorization Information	M	AN	10/10
Description: Information for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)					
ISA03	I03	Security Information Qualifier	M	ID	2/2
Description: Code identifying the type of information in the Security Information					
		Code	Name		
		00	No Security Information Present (No Meaningful Information in I04)		
ISA04	I04	Security Information	M	AN	10/10
Description: This is for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)					
ISA05	I05	Interchange ID Qualifier	M	ID	2/2
Description: Code indicating the system/method of code structure to designate the sender or receiver ID element being qualified					
		Code	Name		
		01	Duns (Dun & Bradstreet)		
		12	Phone (Telephone Companies)		
		ZZ	Mutually Defined		
ISA06	I06	Interchange Sender ID	M	AN	15/15
Description: Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element.					
ISA07	I05	Interchange ID Qualifier	M	ID	2/2
Description: Code indicating the system/method of code structure to designate the sender or receiver ID element being qualified					
User: The Interchange ID Qualifier is "ZZ".					
		Code	Name		
		ZZ	Mutually Defined		
ISA08	I07	Interchange Receiver ID	M	AN	15/15
Description: Identification code published by the receiver of the data; When sending, it is by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them					
User: The Interchange Receiver ID is "5626958823".					
ISA09	I08	Interchange Date	M	DT	6/8
Description: Date of the interchange, CCYYMMDD					

ISA10	I09	Interchange Time	M	TM	4/4
		Description: Time of the interchange, HHMM			
ISA11	I10	Repetition Separator	M	ID	1/1
		Description: Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator			
ISA12	I11	Interchange Control Version Number	M	ID	5/5
		Description: Code specifying the version number of the interchange control segments			
		Code	Name		
		00401	Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997		
ISA13	I12	Interchange Control Number	M	N0	9/9
		Description: A control number assigned by the interchange sender			
ISA14	I13	Acknowledgment Requested	M	ID	1/1
		Description: Code indicating sender's request for an interchange acknowledgment			
		Code	Name		
		0	No Interchange Acknowledgment Requested (TA1)		
		1	Interchange Acknowledgment Requested (TA1)		
ISA15	I14	Interchange Indicator	M	ID	1/1
		Description: Code indicating whether data enclosed by this interchange envelope is test, production or information			
		Code	Name		
		T	Test Data		
		P	Production Data		
ISA16	I15	Component Element Separator	M		1/1
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator			

Sample Data:

ISA*00* *00* *ZZ*VENDOR *ZZ*5626958823 *090721*1432*U*00401*000003435*0*P*>~

GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

To indicate the beginning of a functional group and to provide control information

GS Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	Functional Identifier Code	M	ID	2/2
		Description: Code identifying a group of application related transaction sets			
		<u>Code</u>		<u>Name</u>	
		IN		Invoice (810)	
GS02	142	Application Sender's Code	M	AN	2/15
		Description: Code identifying party sending transmission; codes agreed to by trading partners			
GS03	124	Application Receiver's Code	M	AN	2/15
		Description: Code identifying party receiving transmission; codes agreed to by trading partners			
		User: <i>The Application Receiver's Code is "5626958823".</i>			
GS04	373	Date	M	DT	6/8
		Description: Date expressed as YYYYMMDD.			
GS05	337	Time	M	TM	4/4
		Description: Time expressed in 24-hour clock time as follows: HHMM,			
GS06	28	Group Control Number	M	N0	1/9
		Description: Assigned number originated and maintained by the sender			
GS07	455	Responsible Agency Code	M	ID	1/2
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480			
		<u>Code</u>		<u>Name</u>	
		X		Accredited Standards Committee X12	
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12
		Description: Code indicating the version, release, sub release, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and sub release, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed			
		<u>Code</u>		<u>Name</u>	
		004010		Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	

Sample Data:

GS*IN*VENDOR*5626958823* 20090721*143249*968*X*004010~

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

ST 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	M	ID	3/3
		<u>Description:</u> Code uniquely identifying a Transaction Set			
		<u>Code</u>		<u>Name</u>	
		810		Invoice	
ST02	329	Transaction Set Control Number	M	AN	4/9
		<u>Description:</u> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

Sample Data:

ST*810*000430002~

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

BIG Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
BIG01	373	Invoice Date	M	DT	8/8
		<u>Description:</u> Date expressed as CCYYMMDD			
BIG02	76	Invoice Number	M	AN	1/22
		<u>Description:</u> Identifying number assigned by issuer			
		<u>User:</u> If BIG07='DI', BIG02 is Invoice number.			
BIG03	373	Purchase Date	O	DT	8/8
		<u>Description:</u> Date expressed as CCYYMMDD			
		<u>User:</u> This date must be the same date that appears on the paper purchase order.			
BIG04	324	Purchase Order Number	O	AN	1/22
		<u>Description:</u> Identifying number for Purchase Order assigned by the orderer/purchaser			
BIG07	640	Transaction Type Code	M	ID	2/2
		<u>Description:</u> Code specifying the type of transaction			
		<u>Code</u>		<u>Name</u>	
		DI		Debit Invoice: Vendor send Newegg a debit invoice means that Newegg owes vendor money	
		DR		Debit Memo: same as Debit Invoice.	

Sample Data:

BIG*20090721*0010590407*20090717*2093518***DI~

CUR Currency

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

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

CUR 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	M	ID	2/3
Description: Code identifying an organizational entity, a physical location, property or an individual					
		<u>Code</u>		<u>Name</u>	
		BY		Buying Party (Purchase)	
		SE		Selling Party (Sell)	
CUR02	100	Currency Code	M	ID	3/3
Description: Code (Standard ISO) for country in whose currency the charges are specified					
		<u>Code</u>		<u>Name</u>	
		USD		US Dollars	
		CAD		Canadian Dollars	
		GBP		Great Britain Pound	

Sample Data:

CUR*BY*USD~

N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

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

N1 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	M	ID	2/3
		<u>Description:</u> Code identifying an organizational entity, a physical location, property or an individual			
		<u>Code</u>		<u>Name</u>	
		BT		Bill To	
		ST		Ship To	
N102	93	Name	M	AN	1/60
		<u>Description:</u> Free-form name			

Sample Data:

N1*BT*ABS~

N2 Additional Name Information

Pos: 080	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

To specify additional names or those longer than 35 characters in length

N2 Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
N201	93	Name	M	AN	1/60

Description: Shipping company name information

Sample Data:

N2*NEWEGG

N3 Address Information

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

To specify the location of the named party

N3 Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information	M	AN	1/55
		<u>Description:</u> Address information <u>User:</u> Address Line 1			
N302	166	Address Information	O	AN	1/55
		<u>Description:</u> Address information <u>User:</u> Address Line 2			

Sample Data:

N3*16839 East GALE AVE~

N4 Geographic Location

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

To specify the geographic place of the named party

N4 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	O	AN	2/30
		<u>Description:</u> Free-form text for city name			
N402	156	State or Province Code	O	ID	2/2
		<u>Description:</u> Code (Standard State/Province) as defined by appropriate government agency			
N403	116	Postal Code	O	ID	3/15
		<u>Description:</u> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)			
N404	26	Country Code	O	ID	2/3
		<u>Description:</u> Code identifying the country(US)			

Sample Data:

N4*CITY OF INDUSTRY*CA*91745~

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max:
Heading - Optional	
Loop: N/A	Elements: 7

To specify the geographic place of the named party

ITD Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code	O	ID	2/2
		Description: Code identifying type of payment terms			
		Code		Name	
		01		Basic	
		03		Fixed Date	
		05		Discount Not Applicable	
		07		Extended	
		08		Basic Discount Offered	
		14		Previously Agreed Upon	
		ZZ		Mutually Defined	
ITD02	333	Terms Basis Date Code	O	ID	1/2
		Description: Code identifying the beginning of the terms period			
		Code		Name	
		3		Invoice Date	
		4		Specified Date	
ITD03	338	Terms Discount Percent	O	R	1/6
		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			
ITD04	370	Terms Discount Due Date	O	DT	8/8
		Description: Date payment is due if discount is to be earned			
ITD05	351	Terms Discount Days Due	O	NO	1/3
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned			
ITD06	446	Terms Net Due Date	O	DT	8/8
		Description: Date when total invoice amount becomes due			
ITD07	386	Terms Net Days	O	NO	1/3
		Description: Number of days until total invoice amount is due (discount not applicable)			

Sample Data:

ITD*14*3****20090820*30~

DTM Date/Time Reference

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

To specify pertinent dates and times

DTM 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	M	ID	3/3
		<u>Description:</u> Code specifying type of date or time, or both date and time.			
		<u>Code</u>		<u>Name</u>	
		008		Purchase Order Received	
		011		Shipped	
DTM02	373	Date	M	DT	8/8
		<u>Description:</u> Date expressed as CCYYMMDD			

Sample Data:

DTM*011*20090718~

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 200000
Detail - Mandatory	
Loop: IT1	Elements: 14

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

User Note:

1. IT101 is the line item identification.
2. IT106 through IT115 provide for five different product/service IDs per each item. For example: VP - Vendor's Part Number, MG - Vendor's Manufacture Part Number, BP - Buyer's Part Number, UP - UPC Code or MN - Model Number.
3. **The Product/Service ID Qualifiers and Product/Service IDs "VP", "BP" will be mandatory.**
4. **The Unit Price will be positive number.**

IT1 Element Summary:

Ref	Id	Element Name	Req.	Type	Min/Max
IT101	350	Assigned Identification	O	AN	1/20
		Description: Alphanumeric characters assigned for differentiation within a transaction set			
IT102	358	Quantity Invoiced	M	R	1/10
		Description: Number of units invoiced (supplier units)			
		Constraint: Must be Integer			
IT103	355	Unit or Basis for Measurement Code	O	ID	2/2
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		All valid standard codes are .			
		Code		Name	
		EA		Each	
IT104	212	Unit Price	M	R	1/17
		Description: Price per unit of product, service, commodity, etc.			
		Constraint: Must be Decimal			
IT106	235	Product/Service ID Qualifier	M	ID	2/2
		Description: Code identifying the type/source of the descriptive number in Product/Service ID (234)			
		Code		Name	
		VP		Vendor's (Seller's) Part Number	
		BP		Buyer Part Number	
IT107	234	Product/Service ID	M	AN	1/80
		Description: Identifying number for a product or service			
		User:			
		If IT106="VP", IT107 is Vendor's (Seller's) Part Number.			
		If IT106="BP", IT107 is Buyer Part Number.			
IT108	235	Product/Service ID Qualifier	M	ID	2/2
		Description: Code identifying the type/source of the descriptive number in Product/Service ID (234)			
		Code		Name	
		VP		Vendor's (Seller's) Part Number	
		BP		Buyer Part Number	
IT109	234	Product/Service ID	M	AN	1/80
		Description: Identifying number for a product or service			
		User:			

If IT108="VP", IT109 is Vendor's (Seller's) Part Number.
 If IT108="BP", IT109 is Buyer Part Number.

IT110	235	Product/Service ID Qualifier	O	ID	2/2								
Description: Code identifying the type/source of the descriptive number in Product/Service ID (234)													
<table border="0" style="width: 100%;"> <thead> <tr> <th style="text-align: left;"><u>Code</u></th> <th style="text-align: left;"><u>Name</u></th> </tr> </thead> <tbody> <tr> <td>MG</td> <td>Manufacture Part Number</td> </tr> <tr> <td>MN</td> <td>Model Number</td> </tr> <tr> <td>UP</td> <td>UPC Consumer Package Code</td> </tr> </tbody> </table>						<u>Code</u>	<u>Name</u>	MG	Manufacture Part Number	MN	Model Number	UP	UPC Consumer Package Code
<u>Code</u>	<u>Name</u>												
MG	Manufacture Part Number												
MN	Model Number												
UP	UPC Consumer Package Code												
IT111	234	Product/Service ID	O	AN	1/80								
Description: Identifying number for a product or service													
User:													
If IT110="UP", IT111 is UPC Part Number. If IT110="MG", IT111 is Manufacture Part Number. If IT110="MN", IT111 is Model Number.													
IT112	235	Product/Service ID Qualifier	O	ID	2/2								
Description: Code identifying the type/source of the descriptive number in Product/Service ID (234)													
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<u>Code</u>	<u>Name</u>												
MG	Manufacture Part Number												
MN	Model Number												
UP	UPC Consumer Package Code												
IT113	234	Product/Service ID	O	AN	1/80								
Description: Identifying number for a product or service													
User:													
If IT112="UP", IT113 is UPC Part Number. If IT112="MG", IT113 is Manufacture Part Number. If IT112="MN", IT113 is Model Number.													
IT114	235	Product/Service ID Qualifier	O	ID	2/2								
Description: Code identifying the type/source of the descriptive number in Product/Service ID (234)													
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<u>Code</u>	<u>Name</u>												
MG	Manufacture Part Number												
MN	Model Number												
UP	UPC Consumer Package Code												
IT115	234	Product/Service ID	O	AN	1/80								
Description: Identifying number for a product or service													
User:													
If IT114="UP", IT115 is UPC Part Number. If IT114="MG", IT115 is Manufacture Part Number. If IT114="MN", IT115 is Model Number.													

Sample Data:

IT1*1*5*EA*163.02*PE*VP*010-00270-02*BP*28-483-001~

PID Product/Item Description

Pos: 060	Max: 1000
Detail - Optional	
Loop: PID	Elements: 2

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

PID 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	M	ID	1/1
		<u>Description:</u> Code indicating the format of a description			
		<u>Code</u>		<u>Name</u>	
		F		Free-form	
PID05	352	Description	M	AN	1/80
		<u>Description:</u> A free-form description to clarify the related data elements and their content			
		<u>User:</u> Description of Production			

Sample Data:

PID*F****Garmin Rino FRS/GPS Receiver Handhe~

TDS Total Monetary Value Summary

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

To specify the total invoice discounts and amounts

TDS Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
TDS01	610	Total Amount Due	M	N2	1/15

Description: Amount of invoice (including charges less allowances) before terms discount (if discount is applicable).

Constraint: Must be decimal

Sample Data:

TDS*254836~

CAD Carrier Detail

Pos: 030	Max: 1
Summary - Optional	
Loop: N/A	Elements: 8

To specify transportation details for the transaction

User:

1. The Reference Identification Qualifier "BM" must be supported when BIG07='DI'.

CAD 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	O	ID	1/2

Description: Code specifying the method or type of transportation for the shipment

<u>Code</u>	<u>Name</u>
A	Air
D	Parcel Post
E	Expedited Truck
H	Contract Carrier
L	Contract Carrier
M	Motor (Common Carrier)
R	Rail
S	Ocean
T	Best Way (Shippers Option)
U	Private Parcel Service
AE	Air Express
SR	Supplier Truck

CAD02	206	Equipment Initial	O	AN	1/4
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Description: Prefix or alphabetic part of an equipment unit's identifying number

CAD03	207	Equipment Number	O	AN	1/10
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Description: Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)

CAD04	140	Standard Carrier Alpha Code	O	ID	2/4
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Description: Standard Carrier Alpha Coder

CAD05	387	Routing	O	AN	1/35
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Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity

CAD07	128	Reference Identification Qualifier	M	ID	2/3
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Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
2I	Tracking Number
BM	Bill of Lading Number

CAD08	127	Reference Identification	M	AN	1/30
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference

Identification Qualifier

CAD09 284

Service Level Code

O

ID

2/2

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier.

Sample Data:

CAD*****BM*BM1235648799555~

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 25
Summary - Optional	
Loop: SAC	Elements: 3

To request or identify a service promotion allowance or charge; to specify the amount or percentage for the service promotion allowance or charge

SAC Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
SAC01	248	Allowance/Charge Indicator	M	ID	1/1
		<u>Description:</u>			
		<u>Code</u> <u>Name</u>			
		A Allowance(Meaning that Vendor should pay Newegg)			
		C Charge(Meaning that Newegg should pay for it)			
SAC02	1300	Service, Promotion, Allowance, or Charge Code	O	ID	4/4
		<u>Description:</u> 1300 Code Values			
		<u>Code</u> <u>Name</u>			
		D240 Freight			
		H750 Tax – Sales Tax (State and Local)			
SAC05	610	Amount	O	N2	1/15
		<u>Description:</u> Monetary Amount			
		<u>Constraint:</u> Must be integer			

Sample Data:

SAC*C*H750***10000~

CTT Transaction Totals

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

To transmit a hash total for a specific element in the transaction set

CTT 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	M	N0	1/6
CTT02	347	Hash Total	O	R	1/10

Description: Total number of line items in the transaction set

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed..18 Second occurrence of value being hashed.1.8 Third occurrence of value being hashed.18.01 Fourth occurrence of value being hashed.-----1855 Hash total prior to truncation.855 Hash total after truncation to three-digit field.

User: Use IT102, quantity, for hash total.

Sample Data:

CTT*1*1~

SE Transaction Set Trailer

Pos: 080	Max: 1
Not Defined - 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)

SE 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	M	AN	1/10
		Description: Total number of segments included in a transaction set including ST and SE segments			
SE02	329	Transaction Set Control Number	M	AN	4/9
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			
		User: This must be the same number as is in the ST segment (ST02) for the transaction set.			

Sample Data:

SE*23*000430002~

GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of a functional group and to provide control information

GE Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6
		<u>Description:</u> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element			
GE02	28	Group Control Number	M	N0	1/9
		<u>Description:</u> Assigned number originated and maintained by the sender			

Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

Sample Data:

GE*1*968~

IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

IEA Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req.</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
		<u>Description:</u> A count of the number of functional groups included in an interchange			
IEA02	I12	Interchange Control Number	M	N0	9/9
		<u>Description:</u> A control number assigned by the interchange sender			

Sample Data:

IEA*1*000003435