

810 Invoice

Functional Group ID=**IN**

Introduction:

This Standard 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 used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Heading:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
000	ISA	Interchange Control Header	M	1	
000	GS	Functional Group Header	M	1	
010	ST	Transaction Set Header	M	1	
020	BIG	Beginning Segment for Invoice	M	1	
050	REF	Reference Identification	O	>1	
060	PER	Administrative Communications Contact	O	3	
LOOP ID – N1					>1
070	N1	Name	O	>1	
090	N3	Address Information	O	1	
100	N4	Geographic Location	O	1	
130	ITD	Reference Identification	O	>1	
140	DTM	Date/Time Reference	O	>1	
LOOP ID – N9					>1
240	N9	Reference Identification	O	1	
250	MSG	Message Text	M	10	

Detail:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
LOOP ID – IT1					>1
010	IT1	Baseline Item Data	M	1	
060	PID	Product / Item Description	O	1	
120	REF	Reference Identification	O	1	
LOOP ID - SAC					>1
180	SAC	Service, Promotion, Allowance Information	O	1	
LOOP ID – SLN					>1
260	SLN	Subline Item Detail	O	1	

Summary:

<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>
010	TDS	Total Monetary Value Summary	M	1	
030	CAD	Carrier Detail	O	1	
040	SAC	Service, Promotion, Allowance Information	O	1	
070	CTT	Transaction Totals	M	1	

080	SE	Transaction Set Trailer	M	1
000	GE	Functional Group Trailer	M	1
000	IEA	Interchange Control Trailer	M	1

Segment: **ISA** Interchange Control Header
Position: 000
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To start and identify an interchange of one or more functional groups and interchange related control segments.
Notes: Data Element Separator: '^'
Sub Element Separator: '>'
Segment Terminator: '~'

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
ISA01	I01	Authorization Information Qualifier	M ID 2/2
		00 No Authorization Information Present	
ISA02	I02	Authorization Information	M AN 10/10
ISA03	I03	Security Information Qualifier	M ID 2/2
		00 No Security Information Present	
ISA04	I04	Security Information	M AN 10/10
ISA05	I05	Interchange ID Qualifier	M ID 2/2
ISA06	I06	Interchange Sender's ID	M AN 15/15
ISA07	I05	Interchange ID Qualifier	M ID 2/2
		01 B&H Qualifier	
ISA08	I07	Interchange Receiver's ID	M AN 15/15
		116012659T B&H Test ID	
		116012659 B&H Production ID	
ISA09	I08	Interchange Date	M DT 6/6
ISA10	I09	Interchange Time	M TM 4/4
ISA11	I10	Interchange Control Standards Identifier	M ID 1/1
		U U.S. EDI Community of ASC X12, TDCC, and UCS	
ISA12	I11	Interchange Control Version Number	M ID 5/5
		00410 Release 4010	
ISA13	I12	Interchange Control Number	M NO 9/9
		A control number assigned by the interchange sender	
ISA14	I13	Acknowledgement Requested	M ID 1/1
		Code sent by the sender to request an interchange acknowledgement	
ISA15	I14	Test Indicator	M ID 1/1
		T Test Data	
		P Production Data	
ISA16	I15	Component (Sub) Element Separator	M AN 1/1
		> Delimiter used as Component Element Separator	

EXAMPLE: ISA^00^ ^00^ ZZ^THEIR ^01^116012659T
^061009^0759^U^00401^00000001^0^T^>~

Segment: **GS** Functional Group Header
Position: 000
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of a functional group and to provide control information.

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
GS01	479	Functional Identifier Code	M ID 2/2
		IN Invoice	
GS02	142	Application Sender's Code	M AN 2/15
GS03	124	Application Receiver's Code	M AN 2/15
GS04	29	Data Interchange Date	M DT 8/8
GS05	30	Data Interchange Time	M TM 4/4
GS06	28	Data Interchange Control Number	M NO 1/9
GS07	455	Responsible Agency Code	M ID 1/2
		Code used in conjunction with data Element 480 to identify the issuer of the standard.	
GS08	480	Version/Release/Industry Identifier Code	M AN 1/12

EXAMPLE: GS^IN^THEIR^116012659T^20061009^0759^1^X^004010~

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set	
		810 Invoice	
ST02	329	Transaction Set Control Number	M AN 4/9
		Identifying control number that must be unique within the transaction set	
		functional group assigned by the originator for a transaction set	

EXAMPLE: ST^810^0001~

Segment: **BIG** Beginning Segment for Invoice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Data Element Summary			
Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
BIG01	373	Invoice Date	M DT 8/8
		Date expressed as CCYYMMDD	
BIG02	76	Invoice Number	M AN 1/10
BIG03	373	Purchase Order Date	O DT 8/8
		Date expressed as CCYYMMDD	
BIG04	324	Purchase Order Number	M AN 1/22
		B & H Purchase Order Number	
BIG07	640	Transaction Type Code	O AN 1/22
		CR Credit Memo	
		DI Debit Invoice	
		DR Debit Memo	

EXAMPLE: BIG^20060705^DI908412^20060308^YG060306333^^^DI~

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Notes: Carrier's Reference Number (PRO/Invoice) can be indicated on the REF segment or CAD segment.
 Added 6/14/10 - The Internal Vendor Number is supplied by B&H on the EDI PO (850)

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
REF01	128	Reference Identification Qualifier	M ID 2/2
		IA Internal Vendor Number	
REF02	127	Reference Identification Description	M AN 1/15
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

EXAMPLE: ~
 REF^IA^JK123~
 ~

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
PER01	366	Contact Function Code	M	ID 2/2
		IC Information Contact		
PER02	93	Description	O	AN 1/30
		Free Format Name		
PER03	365	Communication Number Qualifier	O	ID 2/2
		TE Telephone		
PER04	364	Communication Number	O	AN 1/20
		Contact Telephone Number		
		Free Format Name Added 6/14/10		O ID 2/2
PER05	365	Communication Number Qualifier Added 6/14/10		
		EM		
PER06	364	Communication Number Added 6/14/10		
		Contact E-Mail		

EXAMPLE: PER^IC^JOHN DOE^TE^(800)458-1234~

Segment: **N1** Name
Position: 230
Loop: N1 Mandatory
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code

Data Element Summary			
<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual BT Bill To RE Remit To ST Ship To	M ID 2/3
N102	93	Name Free-form name	X AN 1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) 92 Assigned by Buyer	X ID 1/2
N104	67	Identification Code Code identifying a party or other code	X AN 2/20

EXAMPLE: N1^BT^B&H PHOTO-VIDEO,PRO AUDIO,INC.~
 N1^RE^VENDOR ABC~
 N1^ST^JOHN DOE^92^NAVY~

Segment: N3 Address Information
Position: 330
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party

Data Element Summary			
Ref.	Data		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N301	166	Address Information	M AN 1/55
N302	166	Address Information	O AN 1/55

EXAMPLE: N3^BROOKLYN NAVY YARD^63 FLUSHING AVE.~

Segment: **N4** Geographic Location
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party

Data Element Summary			
Ref.	Data		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
N401	19	City Name	M AN 2/30
N402	156	State	M ID 2/2
N403	116	Postal Code	M ID 3/15
N404	26	Country Code	M AN 3/3

EXAMPLE: N4^BROOKLYN^NY^11205^USA~

Segment: **ITD** Terms of Sale / Deferred Terms of Sale
Position: 130
Loop:
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: To specify terms of sale

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code	O ID 2/2
		01 Basic	
		02 End of Month (EOM)	
		05 Discount not Applicable	
		08 Basic Discount Offered	
		12 10 Days after End of Month (10 EOM)	
ITD02	333	Terms Basis Date Code	O ID 1/2
		3 Invoice Date	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date. Percentage is discounted if invoice is paid before the terms discount due date (ITD04). The percent is sent with a decimal point only when needed, e.g., 10.5% is sent as 10.5, and 2% is sent as 2.	
ITD04	370	Terms Discount Due Date	C DT 8/8
		Date payment is due if discount is to be applied, expressed in format CCYYMMDD.	
ITD05	351	Terms Discount Days Due	C R 1/3
		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
		Date when total invoice amount becomes due, expressed in format CCYYMMDD.	
ITD07	386	Term Net Days	O R 1/3
		Number of days until total invoice amount is due (discount not applicable).	
ITD08	362	Term Discount Amount	O R 1/10
		Total amount of terms discount if invoice is paid on or before Terms Discount Due Date (ITD04).	
ITD12	352	Description	O AN 1/35
ITD13	765	Day of Month - Added 02/16/11	C N0 1/2
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
ITD14	107	Payment Method Code - Added 02/16/11	O ID 2/2
		AB Cash	
		AC Credit Card	
		C Check	
		T Wire Transfer	

EXAMPLE: ITD^^^2^^30^^^^^^30 DAYS^10^C~

Segment: **DTM** Date / Time Reference
Position: 150
Loop:
Level: Heading
Usage: Mandatory
Max Use: 10
Purpose: To specify pertinent dates and times

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
DTM01	374	Date/Time Qualifier	M ID 3/3
		011 Shipped	
DTM02	373	Date Expressed as CCYYMMDD	O DT 8/8

EXAMPLE: DTM^011^20050401~

Segment: **N9** Reference Identification
Position: 240
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
N901	128	Reference Identification Qualifier	M ID 2/2
		ZZ Mutually Defined	
N903	369	Free Format Description	M AN 1/45
		"MESSAGE TO FOLLOW"	

EXAMPLE: N9*ZZ**MESSAGE TO FOLLOW~

Segment: **MSG** Message Text
Position: 250
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To provide a free format that allows the transmission of text information

Data Element Summary

<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
MSG01	933	Free Form Message Text	M AN 1/264

EXAMPLE: MSG*THIS INVOICE IS A REPLACEMENT FOR INVOICE 12345~

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: PO1
Level: Detail
Usage: Mandatory
Max Use: 100000
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions.

Data Element Summary				
Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
IT101	350	Assigned Identification	M	AN 1/10
		This value should correspond to value of PO101 that was sent on the 850 PO.		
IT102	358	Quantity Invoiced	M	R 1/10
IT103	355	Unit or Basis for Measurement Code	M	ID 2/2
		EA	Each	
		KT	Kit	
ADD Nov26		PK	Package	
IT104	212	Unit Price	M	R 1/17
IT105	639	Basis of Unit Price Code	M	ID 2/2
		PE	Price per Each	
IT106	235	Product/Service ID Qualifier	C	ID 2/2
		SK	SKU Number	
IT107	234	Product/Service ID	C	AN 1/48
		B&H SKU Number		
IT108	235	Product/Service ID Qualifier	X	ID 2/2
		VA	Vendor's Item Number	
IT109	234	Product/Service ID	X	AN 1/48
		Vendor's Item Number		
IT110	235	Product/Service ID Qualifier Added 6/14/10	X	ID 2/2
		UP	UPC code	
IT111	234	Product/Service ID Added 6/14/10	X	AN 1/48
		UPC code		

EXAMPLE: IT1^001^45^EA^4.50^PE^SK^VPUPP46100^VA^V5124~

Segment: **PID** Product / Item Description
Position: 050
Loop: PO1 / PID
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe a product or process in coded or free-form format

Data Element Summary			
Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
PID01	349	Item Description Type	M ID 1/1
		F Free-form Description	
PID05	352	Description	C AN 1/80

EXAMPLE: PID^F^^^^WRITE ON TOP-LD SLIDE PG 2X2/2~

Segment: **REF** **Reference Identification**
Position: 120
Loop:
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Notes: Please use this detail REF segment only if multiple packing slip numbers exist per invoice.

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
REF01	128	Reference Identification Qualifier	M ID 2/2
		CN Carrier's Reference Number (PRO/Invoice)	
		PK Packing List Number	
REF02	127	Reference Identification Description	M AN 1/15
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	

EXAMPLE: REF^CN^PRO-CSD-3010221~
 REF^PK^PK123456~

Segment: **SAC** Service, Promotion, Allowance, or Charge Information

Position: 130
Loop: SAC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount of percentage for the service, promotion, allowance, or charge
Note: If SAC07 is present, SAC06 is required.

Data Element Summary			
Ref.	Data	Name	Attributes
Des.	Element		
SAC01	248	Allowance or Charge Indicator	M ID 1/1
		A Allowance	
		C Charge	
SAC02	1300	Service, Promotion, Allowance, or Charge Code	O ID 4/4
		C310 Discount	
		F050 Miscellaneous Charge	
		EWST E-waste Added 02/10/21	
SAC05	610	Amount	O N2 1/10
SAC06	378	Allowance / Charge Percent Qualifier	C ID 1/1
		3 Discount / Gross	
SAC07	332	Percent (Updated 3/4/11)	O R 1/6
SAC12	331	Handling Code	O ID 2/2
		02 Off Invoice	
		06 Charge to be paid by Customer	
		08 Off gross - Added 6/14/10	
		15 Information only - Added 6/14/10	
SAC15	352	Description	O AN 1/80

EXAMPLE: SAC^A^C310^100^02^DOLLAR DFI~
SAC^A^C310^17^3^100^02^PERCENTAGE DFI~

Segment: **SLN** Sub-line Item Detail
Position: 260
Loop: SLN
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify product sub-line detail item data

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
SLN01	350	Assigned Identification This is the line item number of associated IT101	M AN 1/20
SLN03	662	Relationship Code I Included	M ID 1/1
SLN04	380	Quantity	M R 1/15
SLN05	355	Unit or Basis of Measurement Code EA Each	M ID 2/2
SLN06	212	Unit Price	C R 1/17
SLN07	639	Basis of Unit Price Code PE Price per Each	O ID 2/2
SLN09	235	Product/Service ID Qualifier SK SKU Number	C ID 2/2
SLN10	234	Product/Service ID B&H SKU Number	C AN 1/48
SLN11	235	Product/Service ID Qualifier VA Vendor's Item Number	C ID 2/2
SLN12	234	Product/Service ID Vendor's Item Number	C AN 1/48
SLN13	235	Product/Service ID Qualifier - Added 6/14/10 UP UPC Code	C ID 2/2
SLN14	234	Product/Service ID - Added 6/14/10 UPC Code	C AN 1/48

EXAMPLE: SLN^001^^I^9^EA^^^^SK^VPUPP461010^VA^V51241~
 SLN^001^^I^9^EA^^^^SK^VPUPP461020^VA^V51242~
 SLN^001^^I^9^EA^^^^SK^VPUPP461030^VA^V51243~
 SLN^001^^I^9^EA^^^^SK^VPUPP461040^VA^V51244~
 SLN^001^^I^9^EA^^^^SK^VPUPP461050^VA^V51245~

Segment: **TDS** **Total Monetary Value Summary**
Position: 010
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To specify the total invoice discounts and amounts.

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
TDS01	610	Amount	M R 1/15
		Total amount of the invoice plus all charges minus all allowances	
TDS02	610	Amount	M R 1/15
		Total amount of invoice eligible for terms discount	

EXAMPLE: TDS^181565^178565~

Segment: **CAD** Carrier Detail
Position: 030
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify transportation details for the transaction

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CAD01	91	Transportation Method Type Code	O ID 1/2
		A Air	
		C Consolidation	
		D Parcel Post	
		E Expedited Truck	
		H Customer Pickup	
		L Contract Carrier	
		M Motor (Common Carrier)	
		P Private Carrier	
		R Rail	
		S Ocean	
		T Best Way	
		U Private Parcel Service	
		AE Air Express	
		CE Customer Pickup / Customer's Expense	
CAD04	140	Standard Carrier Alpha Code	M ID 2/4
CAD05	387	Routing	O AN 1/35
		Free Format Description	
CAD07	128	Reference Identification Qualifier	O ID 2/3
		BM Bill of Lading Number	
		CN Carrier's Reference Number (PRO/Invoice)	
CAD08	127	Reference Identification	C AN 1/30
		Reference Information as specified by the Reference Identification Qualifier	

EXAMPLE: CAD^U^^^UPSN^UPS SECOND DAY AIR^^BM^1234567890~

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 40
Loop: SAC
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount of percentage for the service, promotion, allowance, or charge
Note: If SAC07 is present, SAC06 is required.

Data Element Summary				
Ref.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
SAC01	248	Allowance or Charge Indicator	M	ID 1/1
		A Allowance		
		C Charge		
SAC02	1300	Service, Promotion, Allowance, or Charge Code	O	ID 4/4
		C310 Discount		
		D240 Freight Charge		
		F050 Miscellaneous Charge		
		H850 Taxes		
		EWST E-waste Added 02/10/2021		
SAC05	610	Amount	O	N2 1/10
SAC06	378	Allowance / Charge Percent Qualifier	C	ID 1/1
		3 Discount / Gross		
SAC07	332	Percent (Updated 3/4/11)	O	R 1/6
SAC12	331	Handling Code	O	ID 2/2
		02 Off Invoice		
		06 Charge to be paid by Customer		
		08 Off gross - Added 6/14/10		
		15 Information only - Added 6/14/10		
SAC15	352	Description	O	AN 1/80

EXAMPLE: SAC^C^D240^^^75^^^^^^06^^^FREIGHT CHARGES~

Segment: **ISS** Invoice Shipment Summary
Position: 060
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify summary details of total items shipped in terms of quantity, weight, and volume.

Data Element Summary			
<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ISS01	382	Number of Units Shipped	C R 1/10
ISS02	355	Unit or Basis for Measurement Code	C ID 2/2
		BX Box	
		CA Case	
		PK Package	
		SV Skid	
ISS03	81	Weight	C R 1/10
		Total weight of shipment	
ISS04	355	Unit or Basis for Measurement Code	C ID 2/2
		LB Pound	

EXAMPLE: ISS^5^BX^50^LB~

Segment: **CTT** Transaction Totals
Position: 070
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6

EXAMPLE: CTT^5~

Segment: **SE** Transaction Set Trailer
Position: 080
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Data Element Summary				
	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number 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

EXAMPLE: SE^20^0001~

Segment: **GE** Functional Group Trailer
Position: 000
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of a functional group and to provide control information.

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
GE01	97	Number of Transaction Sets Included	M NO 1/6
		Total number of transaction sets in functional group.	
GE02	28	Group Control Number	M NO 1/9
		This value must be identical to the data element value in GS06 in the associated functional group header.	

EXAMPLE: GE^46^1~

Segment: **IEA** Interchange Control Trailer
Position: 000
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
Purpose: To define the end of an one or more functional groups and interchange-related control segments.

Data Element Summary			
<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
IEA01	479	Functional Identifier Code	M NO 1/5
		A count of the number of functional groups included in an interchange.	
IEA02	142	Interchange Control Number	M NO 1/9
		This value must be identical to the data element value in ISA13 in the associated interchange control header.	

EXAMPLE: IEA^1^000000001~

SAMPLE 810 Invoice File

ISA^00^ ^00^ ^01^145594532 ^01^116012659T
^060911^124^U^00401^000000076^0^T^>~
GS^IN^1234567890 ^1160126559T ^20060911^1214 ^000000003^X ^004010
ST^810^000000011~
BIG^20060910^206862811^20060910^BB060828003~
REF^IA^ABCD~
REF^PK^206862811~
REF^CN^PRO-CSD-3010221~
N1^RE^ABC COMPANY, INC~
N3^PO BOX #1234~
N4^ANYWHERE^NY^10001~
N1^BT^B & H FOTO & ELECTRONICS CORP~
N3^420 9TH AVENUE~
N4^NEW YORK^NY^10001~
N1^ST^BINYOMIN BERGER~
N3^168 RUTLEDGE STREET~
N4^TEANECK^NJ^07666~
ITD^05^3^11111^20061010^30^11111^NET 30 DAYS~
DTM^011^20060909~
IT1^001^1^EA^75^PE^SK^DAV5067MW^VA^76034~
PID^F^11111^VERSATOL 50X67" - MATTE WHITE~
TDS^8075~
CAD^U^1111^UPSN^UPS 2ND DAY^^BM^124567890~
SAC^C^D240^1111^575^11111111^06^1111^FREIGHT CHARGES~
ISS^1^CA^3225^LB~
CTT^1~
SE^0000000023^0000000011~
ST^810^000000012~
BIG^20060910^206862821^20060910^SW060828006~
REF^IA^ABCD~
REF^PK^206862821~
N1^RE^ABC COMPANY, INC~
N3^PO BOX #1234~
N4^ANYWHERE^NY^10001~
N1^BT^B & H FOTO & ELECTRONICS CORP~
N3^420 9TH AVENUE~
N4^NEW YORK^NY^10001~
N1^ST^B & H FOTO & ELECTRONICS CORP.^9^420~
N3^349 WEST 33RD STREET~
N4^NEW YORK^NY^10001~
ITD^05^3^11111^20060726^30^11111^NET 30 DAYS~
DTM^011^20060909~
IT1^001^5^EA^89700^PE^SK^ROFP2^VA^FP2~
PID^F^11111^KEY DIGITAL PIANO W/SP~
IT1^002^5^KT^107940^PE^SK^ROFP5C^VA^FP5C~
PID^F^11111^KEY DIG. PIANO W/SPEAK~
SLN^002^11^I^5^EA^11111^SK^ROFP5^VA^FP5~
SLN^002^11^I^5^EA^11111^SK^ROFPS11A^VA^FPS11A~
TDS^988200~

CAD^M^^^OLTG^OLIVER TRUCKING^^BM^13809~
 ISS^5^CA^3525^LB~
 CTT^2~
 SE^0000000026^000000012~
 ST^810^000000013~
 BIG^20060910^206863011^20060910^YG060828004~
 REF^IA^ABCD~
 REF^PK^206863011~
 N1^RE^ABC COMPANY, INC~
 N3^PO BOX #1234~
 N4^ANYWHERE^NY^10001~
 N1^BT^B & H FOTO & ELECTRONICS CORP.~
 N3^420 9TH AVENUE~
 N4^NEW YORK^NY^10001~
 N1^ST^B & H FOTO & ELECTRONICS CORP.^9^420~
 N3^349 WEST 33RD STREET~
 N4^NEW YORK^NY^10001~
 ITD^05^3^^^^20060726^30^^^^NET 30 DAYS~
 DTM^011^20060909~
 IT1^001^10^EA^7500^PE^SK^DAV5067MW^VA^76034~
 PID^F^^^^VERSATOL 50X67" - MATTE WHITE~
 TDS^75000~
 CAD^M^^^FEDX^FEDEX EXPRESSAVER~
 ISS^2^CA^47.98^LB~
 CTT^1~
 SE^0000000021^000000013~
 GE^000003^000000003~
 IEA^00001^000000076~