

810 Invoice

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810 Invoice

Functional Group=IN

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

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	12			Must use

<u>LOOP ID - N1</u>			<u>200</u>				
070	N1	Name	O	1			Must use
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Must use
140	DTM	Date/Time Reference	O	10			Must use
150	FOB	F.O.B. Related Instructions	O	1			Used

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>Usage</u>
<u>LOOP ID - IT1</u>			<u>200000</u>				
010	IT1	Baseline Item Data (Invoice)	O	1			Used
<u>LOOP ID - PID</u>			<u>1000</u>				
060	PID	Product/Item Description	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
030	CAD	Carrier Detail	O	1			Used
<u>LOOP ID - SAC</u>			<u>25</u>				
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Used
<u>LOOP ID - ISS</u>			<u>>1</u>				
060	ISS	Invoice Shipment Summary	O	1			Used

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
070	CTT	Transaction Totals	O	1		N3/070	Must use
080	SE	Transaction Set Trailer	M	1			Must use

Not Defined:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

Notes:

3/070 Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

General:

A separate invoice is expected per ship to destination. Consolidated purchase orders shipping to multiple locations should be invoiced for each separate ship to location (SDQ).

Change History:

12/27/2011
 FOB segment set to optional
 09/13/2011
 CAD segment set to optional
 CAD07/CAD08 set to conditionally required and are recommended but are no longer enforced as mandatory.
 07/11/2011
 Added user note to N101 "ST: Ship To" element
 8/15/2016
 Updated TermsNetDueDays (ITD07) from Optional to Mandatory
 Added user note to IT106
 1/9/2017
 Remit-to address updated to mandatory

ISA Interchange Control Header

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA01	I01	Authorization Information Qualifier	M	ID	2/2	Must use
<p>Description: Code to identify the type of information in the Authorization Information All valid standard codes are used. (Total Codes: 7)</p>						
ISA02	I02	Authorization Information	M	AN	10/10	Must use
<p>Description: Information used 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)</p>						
ISA03	I03	Security Information Qualifier	M	ID	2/2	Must use
<p>Description: Code to identify the type of information in the Security Information All valid standard codes are used. (Total Codes: 2)</p>						
ISA04	I04	Security Information	M	AN	10/10	Must use
<p>Description: This is used 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)</p>						
ISA05	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. (Total Codes: 38)</p>						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
<p>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</p>						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
<p>Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified All valid standard codes are used. (Total Codes: 38)</p>						
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
<p>Description: Identification code published by the receiver of the data; When sending, it is used 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</p>						
ISA09	I08	Interchange Date	M	DT	6/6	Must use
<p>Description: Date of the interchange</p>						
ISA10	I09	Interchange Time	M	TM	4/4	Must use

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Time of the interchange				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer All valid standard codes are used. (Total Codes: 1)				
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments All valid standard codes are used. (Total Codes: 14)				
ISA13	I12	Interchange Control Number	M	NO	9/9	Must use
		Description: A control number assigned by the interchange sender				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1) All valid standard codes are used. (Total Codes: 2)				
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information All valid standard codes are used. (Total Codes: 3)				
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

GS Functional Group Header

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
<p>Description: Code identifying a group of application related transaction sets</p> <p>CodeList Summary (Total Codes: 240, Included: 1)</p> <p><u>Code</u> <u>Name</u></p> <p>IN Invoice Information (810,819)</p>						
GS02	142	Application Sender's Code	M	AN	2/15	Must use
<p>Description: Code identifying party sending transmission; codes agreed to by trading partners</p>						
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
<p>Description: Code identifying party receiving transmission; codes agreed to by trading partners</p>						
GS04	373	Date	M	DT	8/8	Must use
<p>Description: Date expressed as CCYYMMDD</p>						
GS05	337	Time	M	TM	4/8	Must use
<p>Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)</p>						
GS06	28	Group Control Number	M	N0	1/9	Must use
<p>Description: Assigned number originated and maintained by the sender</p>						
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
<p>Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480</p> <p>All valid standard codes are used. (Total Codes: 2)</p>						
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
<p>Description: Code indicating the version, release, subrelease, 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 subrelease, 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</p> <p>CodeList Summary (Total Codes: 39, Included: 1)</p>						

<u>Code</u>	<u>Name</u>
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.

ST Transaction Set Header

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use
<p>Description: Code uniquely identifying a Transaction Set All valid standard codes are used. (Total Codes: 298)</p>						
ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
<p>Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set</p>						

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BIG Beginning Segment for Invoice

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
BIG02	76	Invoice Number	M	AN	1/22	Must use
		Description: Identifying number assigned by issuer				
BIG03	373	Date	O	DT	8/8	Used
		Description: Date expressed as CCYYMMDD				
BIG04	324	Purchase Order Number	O	AN	1/22	Must use
		Description: Identifying number for Purchase Order assigned by the orderer/purchaser				
BIG07	640	Transaction Type Code	O	ID	2/2	Used
		Description: Code specifying the type of transaction				
		CodeList Summary (Total Codes: 446, Included: 3)				
		<u>Code</u>	<u>Name</u>			
		CR	Credit Memo			
		DR	Debit Memo			
		ME	Memorandum			

Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

Comments:

1. BIG07 is used only to further define the type of invoice when needed.

CUR Currency

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 1)

Code Name

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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Description: Code (Standard ISO) for country in whose currency the charges are specified

User Note 1: AUS - Australia Dollar

CAD - Canadian Dollar

MEX - Mexican Peso

USD - US Dollar

YEN - Japanese Yen

Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Must use

Purpose: To specify identifying information

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

CodeList Summary (Total Codes: 1503, Included: 2)

Code Name

BM Bill of Lading Number
 IA Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Used
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Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

User Note 1: For LTL or Full Truck Load, Bill of Lading (where REF01 = "BM") is required.

Internal Vendor Number (where REF01 = "IA") is always required.

Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Must use

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Must use
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used

N1 Name

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

Description: Code identifying an organizational entity, a physical location, property or an individual

CodeList Summary (Total Codes: 1312, Included: 3)

Code Name

BT Bill-to-Party
 RI Remit To

User Note 1:

Mandatory

ST Ship To

User Note 1:

A separate invoice is expected per ship to destination. Consolidated purchase orders shipping to multiple locations should be invoiced for each separate ship to location (SDQ).

N102	93	Name	X	AN	1/60	Used
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Description: Free-form name

User Note 1: *Required for Remit To.*

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67)

User Note 1: *Required for Ship To (where N101 = ST).*

CodeList Summary (Total Codes: 215, Included: 2)

Code Name

91 Assigned by Seller or Seller's Agent
 92 Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	X	AN	2/80	Used
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Description: Code identifying a party or other code

User Note 1: *Required for Ship To (where N101 = ST).*

Use "9999" when invoice is for Direct To Consumer PO.

Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

User Note 1:

Bill-to, Ship-to, and Remit-to address loops are required.

N3 Address Information

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

User Option (Usage): Used

Purpose: To specify the location of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use
		Description: Address information				
N302	166	Address Information	O	AN	1/55	Used
		Description: Address information				

User Note 1:

Required for Remit To.

N4 Geographic Location

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

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Used
Description: Free-form text for city name						
User Note 1: <i>Required for Remit To.</i>						
N402	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency						
User Note 1: <i>Required for Remit To.</i>						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)						
User Note 1: <i>Required for Remit To.</i>						
N404	26	Country Code	O	ID	2/3	Used
Description: Code identifying the country						

Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

User Note 1:

Required for Remit To.

ITD Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: >1
Heading - Optional	
Loop: N/A	Elements: 9

User Option (Usage): Must use

Purpose: To specify terms of sale

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD01	336	Terms Type Code	O	ID	2/2	Used
Description: Code identifying type of payment terms						
CodeList Summary (Total Codes: 65, Included: 2)						
Code Name						
05 Discount Not Applicable						
08 Basic Discount Offered						
ITD02	333	Terms Basis Date Code	O	ID	1/2	Used
Description: Code identifying the beginning of the terms period						
CodeList Summary (Total Codes: 17, Included: 6)						
Code Name						
1 Ship Date						
2 Delivery Date						
3 Invoice Date						
6 Anticipated Delivery Date						
7 Effective Date						
15 Receipt of Goods						
ITD03	338	Terms Discount Percent	O	R	1/6	Used
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	X	DT	8/8	Used
Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD						
ITD05	351	Terms Discount Days Due	X	N0	1/3	Used
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	Used
Description: Date when total invoice amount becomes due expressed in format CCYYMMDD						
User Note 1: Super Shoes requests vendors to send the Terms Net Due Date (IT106)						
ITD07	386	Terms Net Days	M	N0	1/3	Must use
Description: Number of days until total invoice amount is due (discount not applicable)						
ITD08	362	Terms Discount Amount	O	N2	1/10	Used

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		Description: Total amount of terms discount				
ITD12	352	Description	O	AN	1/80	Must use
		Description: A free-form description to clarify the related data elements and their content				

Syntax Rules:

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

DTM Date/Time Reference

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

User Option (Usage): Must use

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use
Description: Code specifying type of date or time, or both date and time						
CodeList Summary (Total Codes: 1112, Included: 1)						
Code Name						
011 Shipped						
DTM02	373	Date	X	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						

Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

FOB F.O.B. Related Instructions

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

User Option (Usage): Used

Purpose: To specify transportation instructions relating to shipment

Element Summary:

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

Description: Code identifying payment terms for transportation charges

CodeList Summary (Total Codes: 28, Included: 9)

Code Name

CC	Collect
CF	Collect, Freight Credited Back to Customer
MX	Mixed
PB	Customer Pick-up/Backhaul
PC	Prepaid but Charged to Customer
PO	Prepaid Only
PP	Prepaid (by Seller)
PU	Pickup
TP	Third Party Pay

Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

Semantics:

1. FOB01 indicates which party will pay the carrier.
2. FOB02 is the code specifying transportation responsibility location.
3. FOB06 is the code specifying the title passage location.
4. FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Optional	
Loop: IT1	Elements: N/A

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	IT1	Baseline Item Data (Invoice)	O	1		Used
060		Loop PID	O		1000	Used

User Note 1:

If BIG07 is "DR" (Debit Memo), than at least one IT1 segment is required.

IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 24

User Option (Usage): Used

Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	Assigned Identification	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

IT102	358	Quantity Invoiced	X	R	1/10	Must use
-------	-----	--------------------------	---	---	------	----------

Description: Number of units invoiced (supplier units)

IT103	355	Unit or Basis for Measurement Code	X	ID	2/2	Must use
-------	-----	---	---	----	-----	----------

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 6)

Code Name

- AS Assortment
- CA Case
- DZ Dozen
- EA Each
- PR Pair
- UN Unit

IT104	212	Unit Price	X	R	1/17	Must use
-------	-----	-------------------	---	---	------	----------

Description: Price per unit of product, service, commodity, etc.

IT106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

CodeList Summary (Total Codes: 477, Included: 2)

Code Name

- EN European Article Number (EAN) (2-5-5-1)
- UP U.P.C. Consumer Package Code (1-5-5-1)

IT107	234	Product/Service ID	X	AN	1/48	Must use
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Description: Identifying number for a product or service

IT108	235	Product/Service ID Qualifier	X	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.*

CodeList Summary (Total Codes: 477, Included: 7)

Code Name

- CM National Retail Merchants Association Color Code
- SK Stock Keeping Unit (SKU)
- SM National Retail Merchants Association Size Code
- UI U.P.C. Consumer Package Code (1-5-5)
- UK U.P.C./EAN Shipping Container Code (1-2-5-5-1)
- UN U.P.C. Case Code Number (1-1-5-5)
- VC Vendor's (Seller's) Catalog Number

IT109 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

IT110 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.*

All valid standard codes are used. (Total Codes: 477)

IT111 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

IT112 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.*

All valid standard codes are used. (Total Codes: 477)

IT113 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

IT114 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.*

All valid standard codes are used. (Total Codes: 477)

IT115 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

IT116 235 **Product/Service ID Qualifier** X ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.*

All valid standard codes are used. (Total Codes: 477)

IT117 234 **Product/Service ID** X AN 1/48 Used

Description: Identifying number for a product or service

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT118	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: <i>The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.</i>				
		All valid standard codes are used. (Total Codes: 477)				
IT119	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT120	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: <i>The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.</i>				
		All valid standard codes are used. (Total Codes: 477)				
IT121	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT122	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: <i>The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.</i>				
		All valid standard codes are used. (Total Codes: 477)				
IT123	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				
IT124	235	Product/Service ID Qualifier	X	ID	2/2	Used
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		User Note 1: <i>The qualifiers listed in IT108 are also the allowable qualifiers in IT110, 12, 14, 16, 18, 20, 22 and 24.</i>				
		All valid standard codes are used. (Total Codes: 477)				
IT125	234	Product/Service ID	X	AN	1/48	Used
		Description: Identifying number for a product or service				

Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.
6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.

9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

Semantics:

1. IT101 is the purchase order line item identification.

Comments:

1. Element 235/234 combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

User Note 1:

If BIG07 is "DR" (Debit Memo), than at least one IT1 segment is required.

Loop Product/Item Description

Pos: 060	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 3

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use

Description: Code indicating the format of a description

CodeList Summary (Total Codes: 3, Included: 1)

Code Name

F Free-form

PID02	750	Product/Process Characteristic Code	O	ID	2/3	Must use
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Description: Code identifying the general class of a product or process characteristic

CodeList Summary (Total Codes: 217, Included: 4)

Code Name

- 08 Product
- 73 Vendor color description
- 74 Vendor size description
- 75 Buyer's Color Description

PID05	352	Description	X	AN	1/80	Must use
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Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an "N" indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

User Note 1:

If the IT1 segment is used, then the PID is also required, and Product Description (where PID02 = "08") is required.

TDS Total Monetary Value Summary

Pos: 010	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 4

User Option (Usage): Must use

Purpose: To specify the total invoice discounts and amounts

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use
Description: Monetary amount						
User Note 1: Total Invoice Amount						
TDS02	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
User Note 1: Total Merchandise Amount						
TDS03	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
TDS04	610	Amount	O	N2	1/15	Used
Description: Monetary amount						
User Note 1: Total Terms Discount						

Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDS02 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

CAD Carrier Detail

Pos: 030	Max: 1
Summary - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Purpose: To specify transportation details for the transaction

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CAD04	140	Standard Carrier Alpha Code	X	ID	2/4	Used
		Description: Standard Carrier Alpha Code				
CAD05	387	Routing	X	AN	1/35	Used
		Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity				
CAD07	128	Reference Identification Qualifier	C	ID	2/3	Recommended
		Description: Code qualifying the Reference Identification				
		CodeList Summary (Total Codes: 1503, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		CN	Carrier's Reference Number (PRO/Invoice)			
CAD08	127	Reference Identification	C	AN	1/30	Recommended
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier				

Syntax Rules:

1. R0504 - At least one of CAD05 or CAD04 is required.
2. C0708 - If CAD07 is present, then CAD08 is required.

Loop Service, Promotion, Allowance, or Charge Information

Pos: 040	Repeat: 25
Optional	
Loop: SAC	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		Used

SAC Service, Promotion, Allowance, or Charge Information

Pos: 040	Max: 1
Summary - Optional	
Loop: SAC	Elements: 6

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	Allowance or Charge Indicator	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

CodeList Summary (Total Codes: 7, Included: 3)

Code Name

- A Allowance
- C Charge
- N No Allowance or Charge

SAC02	1300	Service, Promotion, Allowance, or Charge Code	X	ID	4/4	Used
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Description: Code identifying the service, promotion, allowance, or charge

CodeList Summary (Total Codes: 1053, Included: 28)

Code Name

- A260 Advertising Allowance
- A720 Broken Package Charge
- B950 Damaged Merchandise
- C000 Defective Allowance
- C310 Discount
- D200 Freight Charges to Destination
- D240 Freight
- D500 Handling
- D920 Insurance Fee
- D980 Insurance
- E740 New Store Allowance
- E750 New Store Discount
- F180 Pallet
- F800 Promotional Allowance
- G970 Small Order Charge
- H000 Special Allowance
- H630 Tax - City Sales Tax (Only)
- H660 Tax - Federal Excise Tax, FET
- H700 Tax - Local Tax
- H750 Tax - Sales Tax (State and Local)
- H770 Tax - State Tax
- H850 Tax

Code Name

H970 Terms Allowance
 I170 Trade Discount
 I250 Transportation Charge (Minimum Rate)
 I500 Vendor Freight
 I530 Volume Discount
 ZZZZ Mutually Defined

SAC05 610 **Amount** O N2 1/15 Used

Description: Monetary amount

SAC06 378 **Allowance/Charge Percent Qualifier** X ID 1/1 Used

Description: Code indicating on what basis allowance or charge percent is calculated

CodeList Summary (Total Codes: 11, Included: 2)

Code Name

5 Base Price per Unit
 6 Base Price Amount

SAC07 332 **Percent** X R 1/6 Used

Description: Percent expressed as a percent

SAC15 352 **Description** X AN 1/80 Used

Description: A free-form description to clarify the related data elements and their content

Syntax Rules:

1. R0203 - At least one of SAC02 or SAC03 is required.
2. P0304 - If either SAC03 or SAC04 is present, then the other is required.
3. P0607 - If either SAC06 or SAC07 is present, then the other is required.
4. P0910 - If either SAC09 or SAC10 is present, then the other is required.
5. C1110 - If SAC11 is present, then SAC10 is required.
6. L130204 - If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. C1413 - If SAC14 is present, then SAC13 is required.
8. C1615 - If SAC16 is present, then SAC15 is required.

Semantics:

1. If SAC01 is "A" or "C", then at least one of SAC05, SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

Loop Invoice Shipment Summary

Pos: 060	Repeat: >1
Optional	
Loop: ISS	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	ISS	Invoice Shipment Summary	O	1		Used

ISS Invoice Shipment Summary

Pos: 060	Max: 1
Summary - Optional	
Loop: ISS	Elements: 2

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISS01	382	Number of Units Shipped	X	R	1/10	Used

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set

ISS02	355	Unit or Basis for Measurement Code	X	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

CodeList Summary (Total Codes: 794, Included: 6)

<u>Code</u>	<u>Name</u>
AS	Assortment
CA	Case
DZ	Dozen
EA	Each
PR	Pair
UN	Unit

Syntax Rules:

1. R010305 - At least one of ISS01, ISS03 or ISS05 is required.
2. P0102 - If either ISS01 or ISS02 is present, then the other is required.
3. P0304 - If either ISS03 or ISS04 is present, then the other is required.
4. P0506 - If either ISS05 or ISS06 is present, then the other is required.

Semantics:

1. ISS07 is the quantity of third party pallets.
2. ISS08 is the gross weight of third party pallets in pounds.

CTT Transaction Totals

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	NO	1/6	Must use

Description: Total number of line items in the transaction set

Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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)

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use
		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	Must use
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

Comments:

- SE is the last segment of each transaction set.

GE Functional Group Trailer

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

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6	Must use
		Description: 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	Must use
		Description: 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.

Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

IEA Interchange Control Trailer

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

User Option (Usage): Must use

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

Element Summary:

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