

810 Invoice

Functional Group ID=**IN**

Introduction:

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.

Notes:

ISA Notes:

The ISA eB Guideline supports one Purchase Order per Invoice. In other words, the REF Segment conveying the Purchase Order information is only used at the Header Level, and not at the Detail Level.

When sent in a timely manner, the Invoice can also act as a shipment notification and for that reason the ISA 810 Invoice has the ability to carry optional shipment information at the Header Level.

ISA EDI Guideline Data Element Code lists are either "Suggested" or "Limited". A "Suggested" code list implies that through mutual agreement, trading partners may use other X12 codes for that Data Element if they are needed for a particular business function. Unless otherwise noted, all code lists are Suggested Code Lists.

A "Limited" code list indicates that the codes are limited to those provided in the ISA EDI Guidelines. If additional codes are needed in a "Limited" code list, please see the ISA eB Guideline for information on the Change Request Process.

Restricting the use of codes to those listed in the ISA EDI Guideline will facilitate reliable mapping to a trading partner's business applications.

Heading:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	M	1		
4	020	BIG	Beginning Segment for Invoice	M	M	1		
5	040	CUR	Currency	O		1		
6	050	REF	Reference Identification	O		12		
7	060	PER	Administrative Communications Contact	O		3		
LOOP ID - N1							200	
9	070	N1	Name	O		1		
10	080	N2	Additional Name Information	O		2		
11	090	N3	Address Information	O		2		
12	100	N4	Geographic Location	O		1		
13	120	PER	Administrative Communications Contact	O		3		
15	130	ITD	Terms of Sale/Deferred Terms of Sale	O		>1		
17	140	DTM	Date/Time Reference	O		10		

Detail:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1							200000	
18	010	IT1	Baseline Item Data (Invoice)	O		1		
LOOP ID - PID							1000	
21	060	PID	Product/Item Description	O		1		

Summary:

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
22	010	TDS	Total Monetary Value Summary	M	M	1		
LOOP ID - SAC							25	
23	040	SAC	Service, Promotion, Allowance, or Charge Information	O		1		
25	070	CTT	Transaction Totals	O		1		n1
26	080	SE	Transaction Set Trailer	M	M	1		

Transaction Set Notes

1. 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.

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

Comments:
Notes:

ISA Example: ST * 810 * 1 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 810 Invoice	M ID 3/3	M
ST02	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 <i>Each ST Segment within a group of 810 Transactions must have a unique control number. The same number is used in the SE Segment of that transaction.</i> <i>The Transaction Set Control Number is sequentially assigned by the sender, starting with one and incremented by one for each additional transaction set within this function group of 810 Invoice transactions.</i>	M AN 4/9	M

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

Syntax Notes:

Semantic Notes:

- 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.

Notes:

ISA Example: BIG * 20060901 * 5445 * 20060813 * 1234 * * * * OO ^

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
BIG01	373	Date	M DT 8/8	M
		Date expressed as CCYYMMDD		
		<i>Invoice Date</i>		
BIG02	76	Invoice Number	M AN 1/22	M
		Identifying number assigned by issuer		
		<i>Do not send dashes, slashes, spaces, or periods.</i>		
BIG03	373	Date	O DT 8/8	
		Date expressed as CCYYMMDD		
		<i>Customer's Original PO Date</i>		
BIG04	324	Purchase Order Number	O AN 1/22	
		Identifying number for Purchase Order assigned by the orderer/purchaser		
BIG05	328	Release Number	O AN 1/30	
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
BIG07	640	Transaction Type Code	O ID 2/2	
		Code specifying the type of transaction		
		26 Miscellaneous Services Invoice		
		AI Adjusted Invoice		
		CR Credit Memo		
		DI Debit Invoice		

Segment: **CUR** Currency

Position: 040

Loop:

Level: Heading

Usage: Optional

Max Use: 1

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

Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:

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

Notes:

Use only if currency is not U.S. dollars.

ISA Example: CUR * SE * UK ^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CUR01	98	Entity Identifier Code	M ID 2/3	M
		Code identifying an organizational entity, a physical location, property or an individual		
		BY Buying Party (Purchaser)		
		SE Selling Party		
CUR02	100	Currency Code	M ID 3/3	M
		Code (Standard ISO) for country in whose currency the charges are specified		
		<i>Use the three digit alpha codes from ISO Country Code List 3166 (See the ISA eB Guideline).</i>		

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:
Notes:

ISA Example: REF * CT * AM20060801 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier	M ID 2/3	M
		Code qualifying the Reference Identification		
		4F Carrier-assigned Shipper Number		
		<i>Package Carrier Tracking / Tracing Number</i>		
		BM Bill of Lading Number		
		CO Customer Order Number		
		<i>Drop Ship Customer's Order Number</i>		
		CT Contract Number		
		IA Internal Vendor Number		
		<i>Identification number assigned to the Vendor by the Distributor, used within the Distributor's system.</i>		
		IT Internal Customer Number		
		<i>Identification number assigned to the Distributor by the Vendor, for use within the Vendor's system.</i>		
		VN Vendor Order Number		
		VR Vendor ID Number		
		<i>The Vendor's ID number, as assigned by the vendor, preferably the GSI Global Location Number.</i>		
REF02	127	Reference Identification	X AN 1/30	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

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
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:
Notes:

This PER Segment is used to convey the contact information for the person who is to receive error or rejection notification relative to the EDI construction (use Qualifier IC) or the general business application (Qualifier CN) of this document. If the same person fills both roles, only list them once with the IC Qualifier. Send, minimally, the telephone number plus either an e-mail address or a fax number.

ISA Example: PER * IC * John Smith * TE * (555) 123-6480 * EM *
 jsmith@domain.com ^

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named CN General Contact IC Information Contact	M ID 2/2	M
PER02	93	Name Free-form name	O AN 1/60	
PER03	365	Communication Number Qualifier Code identifying the type of communication number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile NP Night Telephone TE Telephone	X ID 2/2	
PER04	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80	
PER05	365	Communication Number Qualifier Code identifying the type of communication number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile NP Night Telephone TE Telephone	X ID 2/2	
PER06	364	Communication Number Complete communications number including country or area code when applicable	X AN 1/80	
PER07	365	Communication Number Qualifier	X ID 2/2	

Code identifying the type of communication number

CP	Cellular Phone
EM	Electronic Mail
EX	Telephone Extension
FX	Facsimile
NP	Night Telephone
TE	Telephone

PER08

364

Communication Number

X AN 1/80

Complete communications number including country or area code when applicable

Segment: **N1** Name
Position: 070
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.

Notes:
 ISA Examples:
 N1 * ST * XYZ Distributor * UL * 0622222333339 ^
 N1 * RI * Acme, Inc. * UL * 0611111444449 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	Entity Identifier Code	M ID 2/3	M
		Code identifying an organizational entity, a physical location, property or an individual		
		BT Bill-to-Party		
				<i>When the ST Ship-to is not present it is the same as the BT - Bill-to.</i>
		RI Remit To		
				<i>Used when the Remit-to is different than the Bill-to, i.e. agents or a lock box.</i>
		SF Ship From		
		ST Ship To		
				<i>When the ST Ship-to is not present, it is the same as the BT Bill-to.</i>
N102	93	Name	X AN 1/60	
		Free-form name		
N103	66	Identification Code Qualifier	X ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		1 D-U-N-S Number, Dun & Bradstreet		
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		91 Assigned by Seller or Seller's Agent		
		92 Assigned by Buyer or Buyer's Agent		
		UL GS1 Global Location Number		
		A globally unique 13 digit code for the identification of a legal or physical location within the GS1 system.		
				<i>GS1 Global Location Number.</i>
N104	67	Identification Code	X AN 2/80	
		Code identifying a party or other code		

Segment: **N2** Additional Name Information
Position: 080
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes:

N2 is only used if an additional name is needed. Do not repeat the N102.

ISA Example: N2 * A Division of Acme General ^

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N201	93	Name Free-form name	M AN 1/60	M

Segment: **N3** Address Information
Position: 090
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:
Notes:

ISA Example: N3 * 1234 Center Street ^

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 100
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
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.
Notes: ISA Example: N4 * Central * IL * 666666 ^

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
N401	19	City Name	O AN 2/30	
		Free-form text for city name		
N402	156	State or Province Code	O ID 2/2	
		Code (Standard State/Province) as defined by appropriate government agency		
N403	116	Postal Code	O ID 3/15	
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		<i>Zip code for U.S. remittance address must be 9 digits (do not include dash).</i>		
N404	26	Country Code	O ID 2/3	
		Code identifying the country		
		<i>Use the three digit alpha codes from ISO Country Code List 3166 (See the ISA eB Guideline).</i>		

Segment: **PER Administrative Communications Contact**
Position: 120
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:
Notes:

ISA Example: PER * CN * Mary Smith * TE * 555-222-1234 ^

Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
PER01	366	Contact Function Code	M ID 2/2	M
		Code identifying the major duty or responsibility of the person or group named		
		AR Accounts Receivable Department		
		CN General Contact		
		CR Customer Relations		
		SD Shipping Department		
PER02	93	Name	O AN 1/60	
		Free-form name		
PER03	365	Communication Number Qualifier	X ID 2/2	
		Code identifying the type of communication number		
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		
		NP Night Telephone		
		TE Telephone		
PER04	364	Communication Number	X AN 1/80	
		Complete communications number including country or area code when applicable		
PER05	365	Communication Number Qualifier	X ID 2/2	
		Code identifying the type of communication number		
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		
		NP Night Telephone		
		TE Telephone		
PER06	364	Communication Number	X AN 1/80	
		Complete communications number including country or area code when applicable		
PER07	365	Communication Number Qualifier	X ID 2/2	
		Code identifying the type of communication number		
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		

NP Night Telephone
TE Telephone
PER08 364 Communication Number X AN 1/80
Complete communications number including country or area code when applicable

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

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

Semantic Notes:

- 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.

Notes:

ISA Notes: If no discount applies, use: ITD01 and ITD07. If discount applies, use: ITD01, ITD03, ITD05, and ITD07.

ISA Examples:

ITD * 05 * * * * * 60 ^

ITD * 08 * * 1 * * 10 * * 30 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ITD01	336	Terms Type Code	O ID 2/2	
		Code identifying type of payment terms		
		01 Basic		
		02 End of Month (EOM)		
		05 Discount Not Applicable		
		08 Basic Discount Offered		
		09 Proximo		
		10 Instant		
		12 10 Days After End of Month (10 EOM)		
		14 Previously agreed upon		
		23 Payment Due Upon Receipt of Invoice		
		31 Cash on Delivery (COD)		
ITD02	333	Terms Basis Date Code	O ID 1/2	
		Code identifying the beginning of the terms period		
		1 Ship Date		
		2 Delivery Date		
		3 Invoice Date		
		4 Specified 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		
ITD04	370	Terms Discount Due Date	X DT 8/8	
		Date payment is due if discount is to be earned expressed in format CCYYMMDD		
ITD05	351	Terms Discount Days Due	X N0 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	Terms Net Days	O N0 1/3
		Number of days until total invoice amount is due (discount not applicable)	
ITD08	362	Terms Discount Amount	O N2 1/10
		Total amount of terms discount	
ITD09	388	Terms Deferred Due Date	O DT 8/8
		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	
ITD10	389	Deferred Amount Due	X N2 1/10
		Deferred amount due for payment	
ITD11	342	Percent of Invoice Payable	X R 1/5
		Amount of invoice payable expressed in percent	
ITD12	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	
ITD13	765	Day of Month	X N0 1/2
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
		<i>Day of month payment is due to gain discount. Used when ITD01=9 (proximo).</i>	
ITD15	954	Percent	O R 1/10
		Percentage expressed as a decimal	

Segment: **DTM** Date/Time Reference
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

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

Semantic Notes:

Comments:

Notes:

ISA Example: DTM * 011 * 20060831 ^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
DTM01	374	Date/Time Qualifier	M ID 3/3	M
		Code specifying type of date or time, or both date and time		
		011 Shipped		
		212 Returned to Customer		
DTM02	373	Date	X DT 8/8	
		Date expressed as CCYYMMDD		

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the basic and most frequently used line item data for the invoice and related transactions

- Syntax Notes:**
- 1 If any of IT102 IT103 or IT104 is present, then all are required.
 - 2 If either IT106 or IT107 is present, then the other is required.
 - 3 If either IT108 or IT109 is present, then the other is required.
 - 4 If either IT110 or IT111 is present, then the other is required.
 - 5 If either IT112 or IT113 is present, then the other is required.
 - 6 If either IT114 or IT115 is present, then the other is required.
 - 7 If either IT116 or IT117 is present, then the other is required.
 - 8 If either IT118 or IT119 is present, then the other is required.
 - 9 If either IT120 or IT121 is present, then the other is required.
 - 10 If either IT122 or IT123 is present, then the other is required.
 - 11 If either IT124 or IT125 is present, then the other is required.

- Semantic Notes:**
- 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.

Notes:

IT106 / 08 / 10 / 12 / 14 / 16 / 18 and 20 are Limited Code Lists. IT106 must contain either the GTIN or the Vendor's Item Number as the Primary item identification. IT122 and IT124 are Suggested Code Lists.

ISA Examples: IT1 * 1 * 12 * EA * 17.69 * * UP * 614141334439 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set <i>ISA Note: Placing the PO Line Number in IT101 will make PO-to-Invoice matching more efficient and accurate. The PO Line Number is in the 850 Purchase Order PO101.</i>	O AN 1/20	
IT102	358	Quantity Invoiced Number of units invoiced (supplier units)	X R 1/10	
IT103	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>It is recommended, unless there is an explicit trading partner agreement, that the Unit of Measure in the IT103 is the same Unit of Measure as the 850 Purchase Order PO103. Matching the Invoice and PO will be more efficient and accurate.</i>	X ID 2/2	
		CA Case		
		EA Each		
		FT Foot		
		GA Gallon		
		KG Kilogram		
		LB Pound		
		LT Liter		
		OZ Ounce - Av		
		RL Roll		

IT104	212	Unit Price	X R 1/17
		Price per unit of product, service, commodity, etc.	
IT106	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		<i>IT106 is a Limited Code List. Send either the GTIN or the Vendor's Item Number. Vendor's Item Number can be sent in IT108 if not sent here. GTIN can only be sent in IT106. This element is used to establish the primary item identification number for this trade item, and should be used on all business transactions. Be reminded that only GTINs provide globally unique item identification in the open supply chain.</i>	
		<i>Use "VU Vendor Basic Unit Number" to denote an EAN-8 (GTIN-8) in Version 4010. Later versions of EDI will use "EO-EAN-8".</i>	
		EN	EAN-13 (GTIN-13)
		UK	EAN/UCC-14 (GTIN-14)
			A 14-digit GTIN starting with 1-9.
		UP	UCC-12 (GTIN-12)
		VN	Vendor's (Seller's) Item Number
		VU	Vendor's Basic Unit Number
		<i>Use for EAN-8 in Version 4010; later versions of EDI use "EO-EAN-8".</i>	
IT107	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT108	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VN	Vendor's (Seller's) Item Number
		<i>If not used in IT106.</i>	
IT109	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT110	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP	Buyer's Part Number
IT111	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT112	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CB	Buyer's Catalog Number
IT113	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT114	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		HD	International Harmonized Commodity Code
			For customs authority purposes, the class and description of a subject part or material item per harmonized agreements on tariff commodity codes
IT115	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT116	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		UQ	United Nations (UN) Number (Dangerous Goods)

IT117	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT118	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		CR Contract Number	
IT119	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT120	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		VI Vary Item Product Number	
		<i>Custom Industrial Supply Made-to-Order Variation Number used with a GTIN-14, Indicator Digit 9 in IT106. Please see the ISA eB Guideline for more information on the CISN.</i>	
IT121	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT122	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		B8 Batch Number	
		DR Drawing Revision Number	
		EC Engineering Change Level	
		MN Model Number	
		SK Stock Keeping Unit (SKU)	
IT123	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	
IT124	235	Product/Service ID Qualifier	X ID 2/2
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		B8 Batch Number	
		DR Drawing Revision Number	
		EC Engineering Change Level	
		MN Model Number	
		SK Stock Keeping Unit (SKU)	
IT125	234	Product/Service ID	X AN 1/48
		Identifying number for a product or service	

Segment: **PID** Product/Item Description

Position: 060

Loop: PID Optional

Level: Detail

Usage: Optional

Max Use: 1

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

Syntax Notes:

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

Semantic Notes:

- 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.

Notes:

ISA Example: PID * F * * * * Product Description ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PID01	349	Item Description Type	M ID 1/1	M
		Code indicating the format of a description		
		F Free-form		
PID05	352	Description	X AN 1/80	
		A free-form description to clarify the related data elements and their content		

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

- 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.

Notes:

ISA Example: TDS * 123456 ^

Data Element Summary

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
TDS01	610	Amount Monetary amount	M N2 1/15	M

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 040
Loop: SAC Optional
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

- Semantic Notes:**
- 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. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
 - 3 SAC08 is the allowance or charge rate per unit.
 - 4 SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
 - 5 SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
 - 6 SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
 - 7 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.

Notes:

ISA Example: SAC * C * D240 * * * 40000 * * * * * 06 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SAC01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified A Allowance C Charge	M ID 1/1	M
SAC02	1300	Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge A880 Cancellation Charge C040 Delivery C080 Demurrage C310 Discount C650 Energy Surcharge (Fuel Adjustment Factor) D240 Freight D500 Handling F970 Rebate	X ID 4/4	

		G470	Restocking Charge		
		H660	Tax - Federal Excise Tax, FET		
		H770	Tax - State Tax		
		H790	Tax - Use Tax		
SAC05	610	Amount		O	N2 1/15
		Monetary amount			
SAC12	331	Allowance or Charge Method of Handling Code		O	ID 2/2
		Code indicating method of handling for an allowance or charge			
		02	Off Invoice		
		04	Credit Customer Account		
		06	Charge to be Paid by Customer		
SAC15	352	Description		X	AN 1/80
		A free-form description to clarify the related data elements and their content			

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

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

Semantic Notes:
Comments:

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

Notes:

ISA Example: CTT * 2 ^

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6	M
Total number of line items in the transaction set				
<i>Total number of IT1 segments in transaction set.</i>				

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)

Syntax Notes:

Semantic Notes:

Comments: 1 SE is the last segment of each transaction set.

Notes:

ISA Example: SE * 16 * 1 ^

Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10	M
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	Transaction Set Control Number	M AN 4/9	M
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
		<i>This must match the control number on the ST segment for this transaction set.</i>		