

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.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	O	100		
	050	REF	Reference Identification	O	12		
LOOP ID - N1						200	
M	070	N1	Name	M	1		
M	090	N3	Address Information	M	2		
M	100	N4	Geographic Location	M	1		
M	130	ITD	Terms of Sale/Deferred Terms of Sale	M	1		
	150	FOB	F.O.B. Related Instructions	O	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
M	010	IT1	Baseline Item Data (Invoice)	M	1		
	030	IT3	Additional Item Data	O	5		
LOOP ID - PID						1000	
M	060	PID	Product/Item Description	M	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>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
LOOP ID - SAC						25	
	040	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
LOOP ID - ISS						>1	
M	060	ISS	Invoice Shipment Summary	M	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

- 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:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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	M AN 4/9

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BIG01	373	Date Date expressed as CCYYMMDD	M DT 8/8
M	BIG02	76	Invoice Number Identifying number assigned by issuer	M AN 1/22
	BIG03	373	Date Date expressed as CCYYMMDD	O DT 8/8
	BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser Note: If the shipto is Orgill, this will be an eight byte (8) numeric Orgill purchase order number. If the shipto is not Orgill, this field will be a six (6) byte numeric customer number plus a four (4) byte approval code that is assigned by our Credit Department before the order is shipped.	O AN 1/22
X	BIG05	328	Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	O AN 1/30
X	BIG06	327	Change Order Sequence Number Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set	O AN 1/8
	BIG07	640	Transaction Type Code Code specifying the type of transaction CR Credit Memo DR Debit Memo	O ID 2/2
X	BIG08	353	Transaction Set Purpose Code Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	BIG09	306	Action Code Code indicating type of action Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
X	BIG10	76	Invoice Number Identifying number assigned by issuer	O AN 1/22

Segment: **NTE** Note/Special Instruction
Position: 030
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To transmit information in a free-form format, if necessary, for comment or special instruction

Syntax Notes:

Semantic Notes:

- Comments:**
- 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	363	Note Reference Code	O ID 3/3
		Code identifying the functional area or purpose for which the note applies	
		GEN Entire Transaction Set	
M	NTE02	352 Description	M AN 1/80
		A free-form description to clarify the related data elements and their content	

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: Note: On Drop Ship invoices, our customer's PO number must be returned in a REF segment if that customer requires his PO number in order to make payment. Please be prepared to ask our customer for his PO number and return it to Orgill in the REF segment.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification CO Customer Order Number DC Dealer purchase order number FR Freight Bill Number ON Dealer Order Number TC Vendor Terms	M ID 2/3
	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier Customer's order number if REF01 = CO, DC or ON D.A program number if REF01 = TC Bill of Lading number if REF01 = FR	X AN 1/30
	REF03	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80
X	REF04	C040	Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
X	C04001	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
X	C04002	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
X	C04003	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04004	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30
X	C04005	128	Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
X	C04006	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	X AN 1/30

Segment: **N1** Name
Position: 070
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.

Data Element Summary

Ref.	Data Element	Name	Attributes
M	N101	98 Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		BS Bill and Ship To	
		BT Bill-to-Party	
		PE Payee	
		PO Party to Receive Invoice for Goods or Services	
		PR Payer	
		RE Party to receive commercial invoice remittance	
		RI Remit To	
		RM Party that remits payment	
		SD Sold To and Ship To	
		SO Sold To If Different From Bill To	
		ST Ship To	
		VN Vendor	
	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	
		12 Telephone Number (Phone)	
		ZZ Mutually Defined	
	N104	67 Identification Code	X AN 2/80
		Code identifying a party or other code	
X	N105	706 Entity Relationship Code	O ID 2/2
		Code describing entity relationship	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
X	N106	98 Entity Identifier Code	O ID 2/3
		Code identifying an organizational entity, a physical location, property or an individual	
		Refer to 004010 Data Element Dictionary for acceptable code values.	

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

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
M	N301	166	Address Information Address information	M AN 1/55
	N302	166	Address Information Address information	O AN 1/55

Segment: **N4 Geographic Location**
Position: 100
Loop: N1 Mandatory
Level: Heading
Usage: Mandatory
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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
>>	N401	19	City Name Free-form text for city name	O AN 2/30
>>	N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2
>>	N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15
	N404	26	Country Code Code identifying the country	O ID 2/3
X	N405	309	Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 1/2
X	N406	310	Location Identifier Code which identifies a specific location	O AN 1/30

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
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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ITD01	336	Terms Type Code Code identifying type of payment terms 04 Deferred or Installment ZZ Mutually Defined	M ID 2/2
M	ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period 1 Ship Date 2 Delivery Date 3 Invoice Date	M ID 1/2
	ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6
	ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8
	ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3
M	ITD06	446	Terms Net Due Date Date when total invoice amount becomes due expressed in format CCYYMMDD	M DT 8/8
	ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not applicable)	O N0 1/3
	ITD08	362	Terms Discount Amount Total amount of terms discount	O N2 1/10
	ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD	O DT 8/8
	ITD10	389	Deferred Amount Due Deferred amount due for payment	X N2 1/10
	ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent	X R 1/5
	ITD12	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	ITD13	765	Day of Month The numeric value of the day of the month between 1 and the maximum day of	X N0 1/2

X	ITD14	107	the month being referenced Payment Method Code	O ID 1/2
			Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	
X	ITD15	954	Percent	O R 1/10
			Percentage expressed as a decimal	

Segment: **FOB** F.O.B. Related Instructions
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

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

Semantic Notes:

- 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.

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	FOB01	146	Shipment Method of Payment Code identifying payment terms for transportation charges	M ID 2/2
	FOB02	309	Location Qualifier Code identifying type of location	X ID 1/2
	FOB03	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
	FOB04	334	Transportation Terms Qualifier Code Code identifying the source of the transportation terms	O ID 2/2
	FOB05	335	Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility	X ID 3/3
	FOB06	309	Location Qualifier Code identifying type of location	X ID 1/2
	FOB07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80
X	FOB08	54	Risk of Loss Code Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	FOB09	352	Description A free-form description to clarify the related data elements and their content	X AN 1/80

Segment: **IT1** **Baseline Item Data (Invoice)**
Position: 010
Loop: IT1 Mandatory
Level: Detail
Usage: Mandatory
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: Note: Orgill item number and vendor item number must be returned in one of the product ID fields.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
IT101	350		Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set Note: If this field is sent, it must contain Orgill's original PO line number.	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	X ID 2/2
IT104	212		Unit Price Price per unit of product, service, commodity, etc. FORMAT Z(6).Z(3)	X R 1/17
IT105	639		Basis of Unit Price Code Code identifying the type of unit price for an item	O ID 2/2
IT106	235		Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number CB Buyer's Catalog Number 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 IN Buyer's Item Number MG Manufacturer's Part Number PI Purchaser's Item Code UP U.P.C. Consumer Package Code (1-5-5-1)	X ID 2/2

VC Vendor's (Seller's) Catalog Number
 VN Vendor's (Seller's) Item Number
 VP Vendor's (Seller's) Part Number

	IT107	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
	IT108	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Same as IT106	X	ID 2/2
	IT109	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
	IT110	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Same as IT106	X	ID 2/2
	IT111	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
	IT112	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Same as IT106	X	ID 2/2
	IT113	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	IT114	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	IT115	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	IT116	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	IT117	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	IT118	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	IT119	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	IT120	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	IT121	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	IT122	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	IT123	234	Product/Service ID Identifying number for a product or service	X	AN 1/48
X	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)
Refer to 004010 Data Element Dictionary for acceptable code values.

X	IT125	234	Product/Service ID	X AN 1/48
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Identifying number for a product or service

Segment: **IT3 Additional Item Data**

Position: 030

Loop: IT1 Mandatory

Level: Detail

Usage: Optional

Max Use: 5

Purpose: To specify additional item details relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities

Syntax Notes: 1 If either IT301 or IT302 is present, then the other is required.

2 At least one of IT301 IT303 IT304 or IT305 is required.

Semantic Notes:

Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
IT301	382	Number of Units Shipped	X R 1/10
		Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	
IT302	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken	
IT303	368	Shipment/Order Status Code	X ID 2/2
		Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction	
		BK Back Ordered from Previous Order	
		BP Shipment Partial, Back Order to Ship on (Date)	
		CC Shipment Complete on (Date)	
		CE Shipment Includes Extra Items to Meet Price Break	
		CK Cancelled from Previous Order	
		CM Shipment Complete with Additional Quantity	
		CP Partial Shipment on (Date), Considered No Backorder	
		CS Shipment Complete with Substitution	
		DE Deleted Order	
		DS Out Of Stock Condition	
		IC Item Canceled	
		IS Item Represents Substitution from Original Order	
		OF Order Sent to Factory for Production on (Date)	
		OR Temporarily Out of Stock - Reorder	
X	IT304	Quantity Difference	X R 1/9
		Numeric value of variance between ordered and shipped quantities	
	IT305	Change Reason Code	X ID 2/2
		Code specifying the reason for price or quantity change	
		DC Date Change	
		PC Pack Difference	
		PS Product/Services ID Change	
		QP Quantity Based on Price Qualifier	
		QT Quantity Price Break	
		SC Size Difference	
		UM Unit of Measure Difference	

Segment: **PID** **Product/Item Description**

Position: 060

Loop: PID Mandatory

Level: Detail

Usage: Mandatory

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349	Item Description Type Code indicating the format of a description F Free-form	M ID 1/1
X	PID02	750	Product/Process Characteristic Code Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/3
X	PID03	559	Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	PID04	751	Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
M	PID05	352	Description A free-form description to clarify the related data elements and their content	M AN 1/80
X	PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
X	PID07	822	Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier	O AN 1/15
X	PID08	1073	Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1
X	PID09	819	Language Code Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)	O ID 2/3

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.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	TDS01	610	Total Invoice Amount Monetary amount Note: Amount of invoice including miscellaneous charges, less allowances and before terms discount.	M N2 1/15
	TDS02	610	Amount Subject to Terms Discount Monetary amount	O N2 1/15
	TDS03	610	Discounted Amount Due Monetary amount	O N2 1/15
	TDS04	610	Terms Discount Amount Monetary amount	O N2 1/15

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	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 C300 Discount - Special C310 Discount D200 Freight Charges to Destination D240 Freight H000 Special Allowance H970 Terms Allowance I170 Trade Discount I250 Transportation Charge (Minimum Rate) I500 Vendor Freight I530 Volume Discount	M ID 4/4

			<i>ZZZZ</i>	Mutually Defined		
X	SAC03	559	Agency Qualifier Code		X	ID 2/2
			Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values.			
X	SAC04	1301	Agency Service, Promotion, Allowance, or Charge Code		X	AN 1/10
			Agency maintained code identifying the service, promotion, allowance, or charge			
M	SAC05	610	Amount		M	N2 1/15
			Monetary amount			
X	SAC06	378	Allowance/Charge Percent Qualifier		X	ID 1/1
			Code indicating on what basis allowance or charge percent is calculated Refer to 004010 Data Element Dictionary for acceptable code values.			
X	SAC07	332	Percent		X	R 1/6
			Percent expressed as a percent			
X	SAC08	118	Rate		O	R 1/9
			Rate expressed in the standard monetary denomination for the currency specified			
X	SAC09	355	Unit or Basis for Measurement Code		X	ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values.			
X	SAC10	380	Quantity		X	R 1/15
			Numeric value of quantity			
X	SAC11	380	Quantity		O	R 1/15
			Numeric value of quantity			
	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		
			06	Charge to be Paid by Customer		
X	SAC13	127	Reference Identification		X	AN 1/30
			Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			
X	SAC14	770	Option Number		O	AN 1/20
			A unique number identifying available promotion or allowance options when more than one is offered			
M	SAC15	352	Description		M	AN 1/80
			A free-form description to clarify the related data elements and their content			
X	SAC16	819	Language Code		O	ID 2/3
			Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639)			

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

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

Semantic Notes:

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

Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	ISS01	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	M R 1/10
M	ISS02	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	M ID 2/2
M	ISS03	81	Weight Numeric value of weight	M R 1/10
M	ISS04	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	M ID 2/2
	ISS05	183	Volume Value of volumetric measure	X R 1/8
	ISS06	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	X ID 2/2
X	ISS07	380	Quantity Numeric value of quantity	O R 1/15
X	ISS08	81	Weight Numeric value of weight	O R 1/10

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	O R 1/10
X	CTT03	81	Weight Numeric value of weight	X R 1/10
X	CTT04	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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	CTT05	183	Volume Value of volumetric measure	X R 1/8
X	CTT06	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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
X	CTT07	352	Description A free-form description to clarify the related data elements and their content	O AN 1/80

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.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data 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