

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		
	050	REF	Reference Identification	O	12		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	080	N2	Additional Name Information	O	2		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	120	PER	Administrative Communications Contact	O	3		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
	140	DTM	Date/Time Reference	O	10		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - IT1						200000	
	010	IT1	Baseline Item Data (Invoice)	O	1		
	030	IT3	Additional Item Data	O	5		
	040	TXI	Tax Information	O	10		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		
	110	ITD	Terms of Sale/Deferred Terms of Sale	O	2		

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		
	020	TXI	Tax Information	O	10		
	035	AMT	Monetary Amount	O	>1		
	070	CTT	Transaction Totals	O	1		n1

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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143		Transaction Set Identifier Code	M ID 3/3
				Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values.	
M	ST02	329		Transaction Set Control Number	M AN 4/9
				Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	

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.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</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	O AN 1/22
	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
	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 Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
	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
	BIG09	306 Action Code Code indicating type of action Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/2
	BIG10	76 Invoice Number	O AN 1/22

Identifying number assigned by issuer

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:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	REF01	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	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	X AN 1/30
	REF03	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
	REF04	C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier	O
M	C04001	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 2/3
M	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
	C04003	128 Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/3
	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
	C04005	128 Reference Identification Qualifier Code qualifying the Reference Identification	X ID 2/3

Refer to 004010 Data Element Dictionary for acceptable code values.

C04006

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: **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.

Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	N101	98 Entity Identifier Code	M 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.	
	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)	
		Refer to 004010 Data Element Dictionary for acceptable code values.	
	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:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
M	N201	93	Name Free-form name	M AN 1/60
	N202	93	Name Free-form name	O AN 1/60

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:

Data Element Summary

	Ref.	Data		Attributes
	Des.	Element	Name	
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 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.

Data Element Summary

Ref.	Data	Attributes
Des.	Element Name	
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

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:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>		
M	PER01	366 Contact Function Code	M ID 2/2
		Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values.	
	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 Refer to 004010 Data Element Dictionary for acceptable code values.	
	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 Refer to 004010 Data Element Dictionary for acceptable code values.	
	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 Refer to 004010 Data Element Dictionary for acceptable code values.	
	PER08	364 Communication Number	X AN 1/80
		Complete communications number including country or area code when applicable	
	PER09	443 Contact Inquiry Reference	O AN 1/20

Additional reference number or description to clarify a contact number

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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values.	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period Refer to 004010 Data Element Dictionary for acceptable code values.	
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	
ITD14	107	Payment Method Code	O ID 1/2
		Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	
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:

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	DTM01	374 Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values.	
	DTM02	373 Date	X DT 8/8
		Date expressed as CCYYMMDD	
	DTM03	337 Time	X TM 4/8
		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)	
	DTM04	623 Time Code	O ID 2/2
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values.	
	DTM05	1250 Date Time Period Format Qualifier	X ID 2/3
		Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values.	
	DTM06	1251 Date Time Period	X AN 1/35
		Expression of a date, a time, or range of dates, times or dates and times	

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.

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u> <u>Name</u>	
IT101	350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set	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 Refer to 004010 Data Element Dictionary for acceptable code values.	X ID 2/2
IT104	212 Unit Price Price per unit of product, service, commodity, etc.	X R 1/17
IT105	639 Basis of Unit Price Code Code identifying the type of unit price for an item Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 2/2
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
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)

Refer to 004010 Data Element Dictionary for acceptable code values.

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)

Refer to 004010 Data Element Dictionary for acceptable code values.

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)

Refer to 004010 Data Element Dictionary for acceptable code values.

IT125 234 Product/Service ID X AN 1/48

Identifying number for a product or service

Segment: **IT3 Additional Item Data**
Position: 030
Loop: IT1 Optional
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

Ref.	Data	Attributes
Des.	Element Name	
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 Refer to 004010 Data Element Dictionary for acceptable code values.	
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 Refer to 004010 Data Element Dictionary for acceptable code values.	
IT304	383 Quantity Difference	X R 1/9
	Numeric value of variance between ordered and shipped quantities	
IT305	371 Change Reason Code	X ID 2/2
	Code specifying the reason for price or quantity change Refer to 004010 Data Element Dictionary for acceptable code values.	

Segment: **TXI** Tax Information

Position: 040

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
M	TXI01	963 Tax Type Code		M ID 2/2
		Code specifying the type of tax		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
	TXI02	782 Monetary Amount		X R 1/18
		Monetary amount		
	TXI03	954 Percent		X R 1/10
		Percentage expressed as a decimal		
	TXI04	955 Tax Jurisdiction Code Qualifier		X ID 2/2
		Code identifying the source of the data used in tax jurisdiction code		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
	TXI05	956 Tax Jurisdiction Code		X AN 1/10
		Code identifying the taxing jurisdiction		
	TXI06	441 Tax Exempt Code		X ID 1/1
		Code identifying exemption status from sales and use tax		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
	TXI07	662 Relationship Code		O ID 1/1
		Code indicating the relationship between entities		
		Refer to 004010 Data Element Dictionary for acceptable code values.		
	TXI08	828 Dollar Basis For Percent		O R 1/9
		Dollar basis to be used in the percent calculation of the allowance, charge or tax		
	TXI09	325 Tax Identification Number		O AN 1/20
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction		

(state, county, etc.); often called a tax exemption number or certificate number

TXI10 **350** **Assigned Identification** **O AN 1/20**
Alphanumeric characters assigned for differentiation within a transaction set

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.

Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PID01	349 Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/1
	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
	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
	PID04	751 Product Description Code A code from an industry code list which provides specific data about a product characteristic	X AN 1/12
	PID05	352 Description A free-form description to clarify the related data elements and their content	X AN 1/80
	PID06	752 Surface/Layer/Position Code	O ID 2/2

Code indicating the product surface, layer or position that is being described

Refer to 004010 Data Element Dictionary for acceptable code values.

PID07 **822** **Source Subqualifier** **O AN 1/15**

A reference that indicates the table or text maintained by the Source Qualifier

PID08 **1073** **Yes/No Condition or Response Code** **O ID 1/1**

Code indicating a Yes or No condition or response

Refer to 004010 Data Element Dictionary for acceptable code values.

PID09 **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: **ITD** Terms of Sale/Deferred Terms of Sale

Position: 110

Loop: IT1 Optional

Level: Detail

Usage: Optional

Max Use: 2

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.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values.	
ITD02	333	Terms Basis Date Code	O ID 1/2
		Code identifying the beginning of the terms period Refer to 004010 Data Element Dictionary for acceptable code values.	
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	
ITD14	107	Payment Method Code	O ID 1/2
		Code identifying type of payment procedures Refer to 004010 Data Element Dictionary for acceptable code values.	
ITD15	954	Percent	O R 1/10
		Percentage expressed as a decimal	

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

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	TDS01	610 Amount Monetary amount	M N2 1/15
	TDS02	610 Amount Monetary amount	O N2 1/15
	TDS03	610 Amount Monetary amount	O N2 1/15
	TDS04	610 Amount Monetary amount	O N2 1/15

Segment: **TXI** Tax Information

Position: 020

Loop:

Level: Summary

Usage: Optional

Max Use: 10

Purpose: To specify tax information

- Syntax Notes:**
- 1 At least one of TXI02 TXI03 or TXI06 is required.
 - 2 If either TXI04 or TXI05 is present, then the other is required.
 - 3 If TXI08 is present, then TXI03 is required.

- Semantic Notes:**
- 1 TXI02 is the monetary amount of the tax.
 - 2 TXI03 is the tax percent expressed as a decimal.
 - 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

Ref.	Data	Attributes
<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	TXI01 963 Tax Type Code	M ID 2/2
	Code specifying the type of tax Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI02 782 Monetary Amount	X R 1/18
	Monetary amount	
	TXI03 954 Percent	X R 1/10
	Percentage expressed as a decimal	
	TXI04 955 Tax Jurisdiction Code Qualifier	X ID 2/2
	Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI05 956 Tax Jurisdiction Code	X AN 1/10
	Code identifying the taxing jurisdiction	
	TXI06 441 Tax Exempt Code	X ID 1/1
	Code identifying exemption status from sales and use tax Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI07 662 Relationship Code	O ID 1/1
	Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values.	
	TXI08 828 Dollar Basis For Percent	O R 1/9
	Dollar basis to be used in the percent calculation of the allowance, charge or tax	
	TXI09 325 Tax Identification Number	O AN 1/20
	Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction	

(state, county, etc.); often called a tax exemption number or certificate number

TXI10 **350** **Assigned Identification** **O AN 1/20**
Alphanumeric characters assigned for differentiation within a transaction set

Segment: **AMT** Monetary Amount
Position: 035
Loop:
Level: Summary
Usage: Optional
Max Use: >1
Purpose: To indicate the total monetary amount
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	AMT01	522	Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values.	M ID 1/3
M	AMT02	782	Monetary Amount Monetary amount	M R 1/18
	AMT03	478	Credit/Debit Flag Code Code indicating whether amount is a credit or debit Refer to 004010 Data Element Dictionary for acceptable code values.	O ID 1/1

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

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	
	CTT02	347	Hash Total	O R 1/10
			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.	
	CTT03	81	Weight	X R 1/10
			Numeric value of weight	
	CTT04	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.	
	CTT05	183	Volume	X R 1/8
			Value of volumetric measure	
	CTT06	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.	
	CTT07	352	Description	O AN 1/80
			A free-form description to clarify the related data elements and their content	

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

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