

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		
	060	PER	Administrative Communications Contact	O	3		
LOOP ID - N1						200	
	070	N1	Name	O	1		
	090	N3	Address Information	O	2		
	100	N4	Geographic Location	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	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	
	010	IT1	Baseline Item Data (Invoice)	O	1		
LOOP ID - PID						1000	
	060	PID	Product/Item Description	O	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
	070	CTT	Transaction Totals	O	1		n1
M	080	SE	Transaction Set Trailer	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:

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	O AN 1/22
	BIG07	640	Transaction Type Code Code specifying the type of transaction DI Debit Invoice	O ID 2/2

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:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
M	PER01	366	Contact Function Code Code identifying the major duty or responsibility of the person or group named SR Sales Representative or Department	M ID 2/2
	PER02	93	Name Free-form name	O AN 1/60

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	Name	Attributes
<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	
		BT Bill-to-Party	
		RE Party to receive commercial invoice remittance	
		ST Ship To	
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)	
		91 Assigned by Seller or Seller's Agent	
N104	67	Identification Code	X AN 2/80
		Code identifying a party or other code	

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	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 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	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

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. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
ITD06	446	Terms Net Due Date	O DT 8/8
		Date when total invoice amount becomes due expressed in format CCYYMMDD	
ITD12	352	Description	O AN 1/80
		A free-form description to clarify the related data elements and their content	

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

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</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 EA Each	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 PE Price per Each	O ID 2/2

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	M ID 1/1
		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.

Data Element Summary

	Ref.	Data	Name	Attributes
	Des.	Element		
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: **CAD** Carrier Detail
Position: 030
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify transportation details for the transaction
Syntax Notes: 1 At least one of CAD05 or CAD04 is required.
 2 If CAD07 is present, then CAD08 is required.
Semantic Notes:
Comments:

Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
CAD05	387	Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity	

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

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