

810 Invoice

Functional Group ID=IN

Notes:

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.

INVOICE RECEIVING REQUIREMENTS:

Heading:

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	1		
020	BIG	Beginning Segment for Invoice	M	1		
050	REF	Reference Identification	O	1		
LOOP ID –N1					200	
070	N1	Name – Bill To	M	1		
075	N1	Name - Ship To	M	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	1		
140	DTM	Date/Time Reference	O	10		
150	FOB	F.O.B. Related Instructions	O	1		

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
LOOP ID – IT1					200000	
010	IT1	Baseline Item Data (Invoice)	O	1		
030	IT3	Additional Item Data	O	5		
059	MEA	Measurements	O	40		
LOOP ID – PID					1000	
060	PID	Product/Item Description	O	1		

LOOP ID – SAC				25
180	SAC	Service, Promotion, Allowance, or Charge Information	O	1

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
010	TDS	Total Monetary Value Summary	M	1		
030	CAD	Carrier Detail	O	1		
LOOP ID –SAC					25	
040	SAC	Service, Promotion , Allowance or Charge Information	O	1		
LOOP ID – ISS					1	
060	ISS	Invoice Shipment Summary	O	1		
070	CTT	Transaction Totals	O	1	π 1	
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 transaction set and assign a control number

Syntax Notes:

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

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
ST01	143	Transaction Set Identifier Code	M ID 3/3
		Code uniquely identifying a Transaction Set 810 Invoice	
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 a 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

Ref.	Data	Name	Attributes
Des.	Element		
BIG01	373	Date	M DT 8/8
		Date expressed as CCYYMMDD	
BIG02	76	Invoice Number	M AN 1/22
		Identifying number assigned by issuer	
BIG04	324	Purchase Order Number	O AN 1/22
		Identifying number for Purchase Order assigned by the orderer/purchaser	

Segment: REF Reference Identification

Position: 050

Loop:

Level: Heading

Usage: Optional

Max. Use: 1

Purpose: To specify identifying information

- Syntax Notes:**
1. At least one REF02 or REF03 is required.
 2. If either C04003 or C04004 is present, then the other is required.
 3. If either C04005 or C4006 is present, then the other is required.

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

Comments:

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3
		Code qualifying the Reference Identification VR Duane Reade Vendor Number	
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: **N1 Name – Bill To**

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.** The 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. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, Property or an individual BT Bill To	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
N104	67	Identification Code	X AN 2/80
		Code identifying a party or other code Vendor DUNS Number	

Segment: N1 Name – Ship to

Position: 075

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. The 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. Des.	Data Element	Name	Attributes
N101	98	Entity Identifier Code	M ID 2/3
		Code identifying an organizational entity, a physical location, Property or an individual ST Ship to	
N103	66	Identification Code Qualifier	X ID 1/2
		Code designating the system/method of code structure used for Identification Code (67) 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix	
N104	67	Identification Code	X AN 2/80
		Code identifying a party or other code Ship to DUNS 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 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

Ref. Des.	Data Element	Name	Attributes
ITD01	336	Terms Type Code	O ID 2/2
		Code identifying type of payment terms 01 Basic	
ITD02	333	Terms Basic Date Code	O ID 1/2
		Code identifying the beginning of the terms period 3 Invoice Date	
ITD03	338	Terms Discount Percent	O R 1/6
		Terms discount percentage , expressed as a percent, available to the purchase 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			
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			

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. Des.	Data Element	Name	Attributes
DTM01	374	Date/Time Qualifier	M ID 3/3
		Code specifying type of date or time, or both date and time 011 Shipped	
DTM02	373	Date	X DT 8/8
		Date expressed as CCYYMMDD	

Segment: FOB F.O.B. Related Instruction**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**

Ref. Des.	Data Element	Name	Attributes
FOB01	146	Shipment Method of Payment	M ID 2/2
		Code identifying payment terms for transportation charges	
		CC Collect	
		PB Customer Pick-up/Backhaul	
		PP Prepaid (by Seller)	
FOB02	309	Location Qualifier	X ID 1/2
		Code identifying type of location	
		DE Destination (Shipping)	
		OR Origin (Shipping Point)	

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 ether IT114 or IT115 is present, then the other is required.
 7. If ether IT116 or IT117 is present, then the other is required.
 8. If ether IT118 or IT119 is present, then the other is required.
 9. If ether IT120 or IT121 is present, then the other is required.
 10. If ether IT122 or IT123 is present, then the other is required.
 11. If ether 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 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		
Des.	Element	Name	Attributes
IT102	358	Quantity Invoiced	X R 1/10
		Number of units invoiced (supplier units)	
IT103	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units in which a value is being expressed, or manner which a measurement has been taken code must denote unit as specified on the associated purchase order. CA Case	
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)				
UP U.P.C./EAN Shipping Container Code 1-5-5-1				
IT107	234	Product/service ID	X	AN 1/48
Identifying number for 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)				
UA U.P.C./EAN Case Code (2-5-5)				
IT109	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. 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. Des.	Data Element	Name	Attributes
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 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 term's discount due dates (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		
Des.	Element	Name	Attributes
TDS01	610	Amount	
		Monetary Amount	

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

Ref.	Data	Name	Attributes
Des.	Element		
CAD01	91	Transportation Method/Type Code	O ID 1/2
		Code specifying the method or type of transportation for shipment H Customer Pickup L Contract Carrier M Motor(Common Carrier)	
CAD05	387	Routing	X AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity. Carrier's Name	

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 are 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 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 be 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

Ref. Des.	Data Element	Name	Attributes
SAC01	248	Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the Service specified A Allowance	
SAC02	1300	Service, Promotion ,Allowance, or Charge Code	X ID 4/4
		Code identifying the service, promotion, allowance, or charge Refer to 004010X12 Data Element Dictionary for acceptable code values.	
SAC05	610	Amount	O N2 1/15
		Monetary amount.	
SAC06	378	Allowance/Charge Percent Qualifier	X ID 1/1
		Code indicating on what basis allowance or charge percent is calculated Refer to 004010X12 Data Element Dictionary for acceptable code values.	
SAC07	332	Percent	X R 1/6
		Percent expressed as a percent	
SAC08	118	Rate	O R 1/9
		Rate expressed in standard monetary denomination for the currency specified.	
SAC09	335	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 BX Box CA Case DZ Dozen EA Each HD Half Dozen LB Pound PK Package PR Pair UN Unit	
SAC10	380	Quantity	X 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	
SAC13	127	Reference Identification	X AN 1/30
		Reference information as defined for particular Transaction Set or as specified by the Reference Identification Qualifier	

SAC14	770	Option Number	O AN 1/20
A unique number identifying available promotion or Allowance options when more than one is offered			
SAC15	352	Description	X AN 1/80
A free-form description to clarify the related data elements and their content			

Segment: ISS Invoice Shipment Summary**Position:** 060**Loop:** ISS Optional**Level:** Summary**Usage:** Optional**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 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**

Ref. Des.	Data Element	Name	Attributes
ISS01	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	
ISS02	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 LB Pound CA Case	
ISS03	81	Weight	X R 1/10
		Numeric value for weight	
ISS04	355	Unit or Basis for Measurement Code	X ID 2/2
		Code specifying the units on which a value is being expressed, or manner in which a measurement has been taken LB Pound	
ISS05	183	Volume	X R 1/8
		Value of volumetric measure	

ISS06	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					
CF Cubic Feet					

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		
Des.	Element	Name	Attributes
CTT01	354	Number of Line Items	M N0 1/6
Total number of items in the transaction set.			

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. Des.	Data Element	Name	Attributes
SE01	96	Number of Included Segment	M N0 1/10
Total number of segment included in a Transaction Set including ST and SE segments.			
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 Transaction Set			