

## The Invoice - 810



The supplier, based on the ship notice/manifest information, would prepare the electronic invoice. Ideally, the distributor would accept this information directly into his computer system and allow it to be matched with receiving and purchase order information as necessary for payment authorization. It is important to note that electronic invoicing does not necessarily speed the payment of invoices, but could significantly reduce the manpower required to operate the accounting function.

In general the following types of information will be included on the invoice:

- ❖ Identification of products shipped and invoiced;
- ❖ Net price of each invoiced item;
- ❖ Identification of no-cost products and quantities;
- ❖ Identification of shipping and other charges;
- ❖ Specification of invoice terms and early payment discounts; and,
- ❖ Total invoice amount.

Because this transaction is to be used with the ship notice/manifest, there is no need to specify canceled or backordered products.

The business procedures incorporating the EDI Invoice transaction set would follow these steps:

1. receipt of ship notice/manifest, and validation and updating of the purchase order on-order quantities;
2. receipt of the product shipment and updating of the purchase order received quantities and warehouse onhand balances;and,
3. receipt of the invoice transaction set, automatic matching to the receiving report (generated by the ship notice/manifest) and the purchase order, and schedule for payment.

The filing of paper documents and manual matching tasks otherwise performed are removed in this procedure.



### Sample Data

#### Guideline Changes

This guideline contains the following changes to the invoice guideline published on June 23, 1994:

- (1) Status of elements ITA 13 and ITA 14 was changed from “not used” to “used.”
- (2) CAD and ISS segments were added as optional segments.

#### Additional Information

Questions regarding this guideline should be directed to:

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# 810 Invoice

EXAMPLE :

ISA\*00\*bbbbbbbbbb\*00\*bbbbbbbbbb\*01\*007061617bbbbbb\*01\*00507479bbbbbb\*93  
0828\*0921\*U\*00303\*000007022\*0\*P\*\*^  
GS\*IN\*007061617\*005070479\*930828\*1008\*1216\*X\*003030^  
ST\*810\*121652^  
BIG\*930827\*M02293767\*\*OZKC0001943\*\*\*PR^  
NTE\*INV\*Payment of this invoice should be remitted electronically^  
REF\*BM\*12345^  
REF\*PK\*12345^  
N1\*SF\*\*92\*H98111A1^  
N1\*ST\*\*92\*123456789^  
N1\*RE\*\*92\*234567890^  
N1\*VN\*\*92\*345678901^  
ITD\*12\*3\*02\*\*10\*\*\*931010\*\*33333\*\*10\*R\*015^  
DTM\*011\*930910\*\*\*19^  
FOB\*CC^  
IT1\*\*3\*EA\*10.69\*NT\*BP\*K1^  
PID\*F\*\*\*\*5M1000 POLYFLEX^  
ITA\*C\*\*XP\*06\*\*\*465\*\*\*\*\*3\*DESCRIPTION\*COR^  
TDS\*4602^  
CAD\*M\*\*\*AFWY\*\*\*BM\*102282^  
ITA\*C\*\*HC\*06\*FT\*\*451\*\*\*\*\*DESCRIPTION\*COR^  
ISS\*1643\*EA\*7812\*LB^  
CTT\*1\*3^  
SE\*12\*121652^  
GE\*1\*1216^  
IEA\*1\*000007022^

## 810 SEGMENTS

<b>HEADER</b>	<b>DETAIL</b>	<b>SUMMARY</b>
<b>ST</b>	<b>IT1</b>	<b>TDS</b>
<b>BIG</b>	<b>PID</b>	<b>CAD</b>
<b>NTE</b>	<b>ITA</b>	<b>ITA</b>
<b>REF</b>		<b>ISS</b>
<b>N1</b>		<b>CTT</b>
<b>ITD</b>		<b>SE</b>
<b>DTM</b>		
<b>FOB</b>		

# 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>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BIG	Beginning Segment for Invoice	M	1		
	030	NTE	Note/Special Instruction	F	100		
	050	REF	Reference Numbers	O	12		
			LOOP ID - N1			200	
	070	N1	Name	O	1		
	071	N1	Name	O	1		
	072	N1	Name	O	1		
	073	N1	Name	O	1		
	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
	140	DTM	Date/Time/Period	O	10		
	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	
	010	IT1	Baseline Item Data (Invoice)	O	1		
			LOOP ID - PID			1000	
	060	PID	Product/Item Description	O	1		
			LOOP ID - ITA			10	
	180	ITA	Allowance, Charge or Service	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>
Must Use	010	TDS	Total Monetary Value Summary	M	1		
	030	CAD	Carrier Detail	O	1		
			LOOP ID - ITA			10	
	040	ITA	Allowance, Charge or Service	O	1		

	060	ISS	Invoice Shipment Summary	O	5	
Must Use	070	CTT	Transaction Totals	M	1	n1
Must Use	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) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**

**Notes:** Segment Example: ST\*810\*121652^

#### Data Element Summary

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
>>	ST01	143	<b>Transaction Set Identifier Code</b>	M ID 3/3
			Code uniquely identifying a Transaction Set	
			Refer to 003030 Data Element Dictionary for acceptable code values.	
>>	ST02	329	<b>Transaction Set Control Number</b>	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:**

**Comments:** 1 BIG07 is used only to further define the type of invoice when needed.  
**Notes:** Segment Example: BIG\*930827\*M02293767\*\*OZKC0001943\*\*\*PR^

#### Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
>> BIG01	245	Invoice Date		M DT 6/6
		Invoice Issue Date.		
>> 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		
BIG07	640	Transaction Type Code		O ID 2/2
		Code specifying the type of transaction		
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.		
		CR	Credit Memo	
		DR	Debit Memo	
		PR	Product (or Service)	

**Segment:** **NTE** Note/Special Instruction  
**Position:** 030  
**Loop:**  
**Level:** Heading  
**Usage:** Floating  
**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.

**Notes:** Segment Example: NTE\*INV\*PAYMENT OF THIS INVOICE SHOULD BE MADE ELECTRONICALLY^  
This is an optional segment.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
NTE01	363 Note Reference Code	O ID 3/3
	Code identifying the functional area or purpose for which the note applies	
	Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
	INV Invoice Instruction	
>> NTE02	3 Free Form Message	M AN 1/60
	Free-form text	

**Segment:** **REF** Reference Numbers  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Segment Example: REF\*BM\*12345^  
This is an optional segment.

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> REF01	128	Reference Number Qualifier	M ID 2/2
		Code qualifying the Reference Number.	
		Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		BM Bill of Lading Number	
		IA Internal Vendor Number	
		PK Packing List Number	
REF02	127	Reference Number	X AN 1/30
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	

**Segment:** **N1** Name

**Position:** 070

**Loop:** N1

**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.

**Notes:** Segment Example: N1\*SF\*\*92\*H98111A1^

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
>> <b>N101</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual Suggested code for aftermarket usage. Any ASC X12 approved code may be used. SF Ship From	<b>M ID 2/2</b>
<b>N103</b>	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Suggested code for aftermarket usage. Any ASC X12 approved code may be used. 92 Assigned by Buyer or Buyer's Agent	<b>X ID 1/2</b>
<b>N104</b>	<b>67 Identification Code</b> Code identifying a party or other code	<b>X AN 2/17</b>

**Segment:** **N1** Name

**Position:** 071

**Loop:** N1

**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.

**Notes:** Segment Example: N1\*ST\*\*92\*123456789^

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
>> <b>N101</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual Suggested code for aftermarket usage. Any ASC X12 approved code may be used. ST Ship To	<b>M ID 2/2</b>
<b>N103</b>	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Suggested code for aftermarket usage. Any ASC X12 approved code may be used. 92 Assigned by Buyer or Buyer's Agent	<b>X ID 1/2</b>
<b>N104</b>	<b>67 Identification Code</b> Code identifying a party or other code	<b>X AN 2/17</b>

**Segment:** **N1** Name

**Position:** 072

**Loop:** N1

**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.

**Notes:** Segment Example: N1\*RE\*\*92\*234567890^

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
>> N101	98		<b>Entity Identifier Code</b>	<b>M ID 2/2</b>
			Code identifying an organizational entity, a physical location, or an individual	
			Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		RE	Party to receive commercial invoice remittance	
N103	66		<b>Identification Code Qualifier</b>	<b>X ID 1/2</b>
			Code designating the system/method of code structure used for Identification Code (67)	
			Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		92	Assigned by Buyer or Buyer's Agent	
N104	67		<b>Identification Code</b>	<b>X AN 2/17</b>
			Code identifying a party or other code	

**Segment:** **N1** Name

**Position:** 073

**Loop:** N1

**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.

**Notes:** Segment Example: N1\*VN\*\*92\*345678901^

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
>> <b>N101</b>	<b>98 Entity Identifier Code</b> Code identifying an organizational entity, a physical location, or an individual Suggested code for aftermarket usage. Any ASC X12 approved code may be used. VN Vendor	<b>M ID 2/2</b>
<b>N103</b>	<b>66 Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) Suggested code for aftermarket usage. Any ASC X12 approved code may be used. 92 Assigned by Buyer or Buyer's Agent	<b>X ID 1/2</b>
<b>N104</b>	<b>67 Identification Code</b> Code identifying a party or other code	<b>X AN 2/17</b>

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

**Position:** 130

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 5

**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 ITD09 is required and either ITD10 or ITD11 is required. If the code in ITD01 equals 05, then ITD06 or ITD07 is required.

**Notes:** Segment Example: ITD\*12\*03\*02\*\*10\*\*\*\*931010\*\*33333\*\*10\*R\*015^

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<b>ITD01</b>	<b>336</b>	<b>Terms Type Code</b>	<b>O ID 2/2</b>
		Code identifying type of payment terms	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		01 Basic	
		02 End of Month (EOM)	
		03 Fixed Date	
		05 Discount Not Applicable	
		07 Extended	
		08 Basic Discount Offered	
		12 10 Days After End of Month (10 EOM)	
		14 Previously agreed upon	
		18 Fixed Date, Late Payment Penalty Applies	
		Sales terms specifying a past due date, and a late payment percentage penalty applies to unpaid balances past this due date	
		22 Cash Discount Terms Apply	
		Contract terms specify that a cash discount is applicable	
		23 Payment Due Upon Receipt of Invoice	
<b>ITD02</b>	<b>333</b>	<b>Terms Basis Date Code</b>	<b>O ID 1/2</b>
		Code identifying the beginning of the terms period	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		3 Invoice Date	

4 Specified Date

<b>ITD03</b>	<b>338</b>	<b>Terms Discount Percent</b>	<b>O R 1/6</b>
		Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	
<b>ITD04</b>	<b>370</b>	<b>Terms Discount Due Date</b>	<b>X DT 6/6</b>
		Date payment is due if discount is to be earned	
<b>ITD05</b>	<b>351</b>	<b>Terms Discount Days Due</b>	<b>X N0 1/3</b>
		Number of days in the terms discount period by which payment is due if terms discount is earned	
		Element required if element ITD03 is populated.	
<b>ITD07</b>	<b>386</b>	<b>Terms Net Days</b>	<b>O N0 1/3</b>
		Number of days until total invoice amount is due (discount not applicable)	
		Element required if value in element ITD01 is "05."	
<b>ITD09</b>	<b>388</b>	<b>Terms Deferred Due Date</b>	<b>O DT 6/6</b>
		Date deferred payment or percent of invoice payable is due	
<b>ITD11</b>	<b>342</b>	<b>Percent of Invoice Payable</b>	<b>X R 1/5</b>
		Amount of invoice payable expressed in percent	
<b>ITD13</b>	<b>765</b>	<b>Day of Month</b>	<b>X N0 1/2</b>
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced	
<b>ITD14</b>	<b>107</b>	<b>Payment Method Code</b>	<b>O ID 1/1</b>
		Code identifying type of payment procedures	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		C Pay By Check	
		R Related Detail Account	
		Individual account that provides supporting data for a billing or summary amount	
<b>ITD15</b>	<b>954</b>	<b>Percent</b>	<b>O R 1/10</b>
		Percentage expressed as a decimal	

**Segment:** **DTM** Date/Time/Period  
**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 or DTM03 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** Segment Example: DTM\*011\*930910\*\*\*19^  
This is an optional segment.

**Data Element Summary**

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	
>> DTM01	374	Date/Time Qualifier	M	ID 3/3
		Code specifying type of date or time, or both date and time		
		Suggested value for aftermarket usage. Any ASC X12 approved code may be used.		
		011 Shipped		
DTM02	373	Date	X	DT 6/6
		Date (YYMMDD)		
DTM05	624	Century	O	N0 2/2
		The first two characters in the designation of the year (CCYY)		

**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:**

**Notes:** Segment Example: FOB\*CC^

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	FOB01	146	Shipment Method of Payment	M ID 2/2
			Code identifying payment terms for transportation charges	
			Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
			PS = Paid by Seller (Drop Ship)	
			CC Collect	
			PC Prepaid but Charged to Customer	
			PP Prepaid (by Seller)	
			PU Pickup	

**Segment:** **IT1** **Baseline Item Data (Invoice)**  
**Position:** 010  
**Loop:** IT1  
**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 IT106 is present, then IT107 is required.
  - 2 If IT108 is present, then IT109 is required.
  - 3 If IT110 is present, then IT111 is required.
  - 4 If IT112 is present, then IT113 is required.
  - 5 If IT114 is present, then IT115 is required.
  - 6 If IT116 is present, then IT117 is required.
  - 7 If IT118 is present, then IT119 is required.
  - 8 If IT120 is present, then IT121 is required.
  - 9 If IT122 is present, then IT123 is required.
  - 10 If IT124 is present, then IT125 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 ID's.
  - 2 IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

**Notes:** Segment Example: IT1\*\*3\*EA\*10.69\*NT\*BP\*K1^

#### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>>	IT102	358	Quantity Invoiced
			M R 1/10
			Number of units invoiced (supplier units)
>>	IT103	355	Unit or Basis for Measurement Code
			M ID 2/2
			Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken
			Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.
		CA	Case
		EA	Each
		FT	Foot
		MR	Meter
		P4	Four-pack
		P6	Six pack
		P8	Eight-pack
>>	IT104	212	Unit Price
			M R 1/14
			Price per unit of product, service, commodity, etc.



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

**Position:** 060

**Loop:** PID

**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 PID03 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. A ``N" indicates it does not apply. Any other value is indeterminate.

**Comments:**

- 1 If PID01 = ``F", then PID05 is used. If PID01 = ``S", then PID04 is used. If PID01 = ``X", then both PID04 and PID05 are used.
- 2 Use PID06 when necessary to refer to the product surface or layer being described in the segment.
- 3 PID07 specifies the individual code list of the agency specified in PID03.

**Notes:** Segment Example: PID\*F\*\*\*\*5M1000 POLYFLEX^

#### Data Element Summary

Ref.	Data	Name	Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> PID01	349	<b>Item Description Type</b> Code indicating the format of a description Suggested code for aftermarket usage. Any ASC X12 approved code may be used. F Free-form	<b>M ID 1/1</b>
PID05	352	<b>Description</b> A free-form description to clarify the related data elements and their content	<b>X AN 1/80</b>

**Segment:** **ITA** Allowance, Charge or Service

**Position:** 180

**Loop:** ITA

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify allowances, charges, or services

**Syntax Notes:** 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If ITA10 is present, then ITA11 is required.

4 If ITA15 is present, then ITA02 is required.

**Semantic Notes:** 1 ITA12 is the quantity of free goods.

**Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

**Notes:** Segment Example: ITA\*C\*\*XP\*06\*\*\*465\*\*\*\*\*3\*DESCRIPTION\*COR^

### Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> ITA01	248	<b>Allowance or Charge Indicator</b>	<b>M ID 1/1</b>
		Code which indicates an allowance or charge for the service specified	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
ITA03	560	<b>Special Services Code</b>	<b>X ID 2/10</b>
		Code identifying the special service	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		XP = Expanded Service (Core Charge)	
		FG Free Goods	
		XP Expanded Service	
>> ITA04	331	<b>Allowance or Charge Method of Handling Code</b>	<b>M ID 2/2</b>
		Code indicating method of handling for an allowance or charge	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		Use "06" when value of element ITA03 is "XP."	
		Use "ZZ" when value of element of ITA03 is "FG."	
		06 Charge to be Paid by Customer	

		<i>ZZ</i>	Mutually Defined		
<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>		<b>O</b>	<b>N2 1/9</b>
		Total dollar amount for the allowance or charge			
<b>ITA12</b>	<b>380</b>	<b>Quantity</b>		<b>O</b>	<b>R 1/15</b>
		Numeric value of quantity			
		Quantity of free goods or cores.			
<b>ITA13</b>	<b>352</b>	<b>Description</b>		<b>X</b>	<b>AN 1/80</b>
		A free-form description to clarify the related data elements and their content			
<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>		<b>X</b>	<b>ID 3/3</b>
		Code identifying type of special charge or allowance			
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.			
		COR	Core Charge		
		CRC	Core Charge		

**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:**

**Comments:** 1 TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

**Notes:** Segment Example: TDS\*4602^

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Element</b>	<b>Name</b>	<b>Attributes</b>
>>	<b>TDS01</b>	<b>361</b>	<b>Total Invoice Amount</b> Amount of invoice (including charges, less allowances) before terms discount (if discount is applicable)	<b>M N2 1/10</b>
	<b>TDS02</b>	<b>390</b>	<b>Amount Subject to Terms Discount</b> Amount upon which the terms discount amount is calculated Required only if the dollar value subject to discount is not equal to the dollar value of total invoice amount.	<b>O N2 1/10</b>

**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:**

**Notes:** Segment Example: CAD\*M\*\*\*AFWY\*\*\*BM\*102282^

This is an optional segment.

#### Data Element Summary

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
<u>Des.</u>	<u>Element</u>		
CAD01	91	<b>Transportation Method/Type Code</b>	<b>O ID 1/2</b>
		Code specifying the method or type of transportation for the shipment Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		M Motor (Common Carrier)	
CAD04	140	<b>Standard Carrier Alpha Code</b>	<b>X ID 2/4</b>
		Standard Carrier Alpha Code	
CAD07	128	<b>Reference Number Qualifier</b>	<b>O ID 2/2</b>
		Code qualifying the Reference Number. Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		BM Bill of Lading Number	
CAD08	127	<b>Reference Number</b>	<b>X AN 1/30</b>
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	

**Segment:** **ITA** Allowance, Charge or Service

**Position:** 040

**Loop:** ITA

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify allowances, charges, or services

**Syntax Notes:** 1 If ITA02 is present, then at least one of ITA03 ITA13 or ITA14 is required.

2 If ITA08 is present, then ITA09 is required.

3 If ITA10 is present, then ITA11 is required.

4 If ITA15 is present, then ITA02 is required.

**Semantic Notes:** 1 ITA12 is the quantity of free goods.

**Comments:** 1 If ITA01 = A-Allowance or C-Charge, then at least one of ITA06, ITA07, or ITA08 must be present.

2 ITA02 identifies the source of the code value in ITA03 or ITA15.

3 If ITA07 is present with either ITA06 or ITA08, then ITA07 takes precedence.

4 ITA13 is used to clarify the allowance, charge, or service.

5 ITA15 specifies the individual code list of the agency specified in ITA02.

6 ITA16 describes the relationship of ITA06, ITA07 or ITA09 to an associated segment.

**Notes:** Segment Example: ITA\*C\*\*HC\*06\*FT\*\*451\*\*\*\*\*DESCRIPTION\*COR^

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Name</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element</b>		
>>	ITA01	248 Allowance or Charge Indicator	M ID 1/1
		Code which indicates an allowance or charge for the service specified	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		A Allowance	
		C Charge	
		N No Allowance or Charge	
	ITA03	560 Special Services Code	X ID 2/10
		Code identifying the special service	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		EM Emergency Service	
		HC Handling Service	
		SH Special Handling Service	
>>	ITA04	331 Allowance or Charge Method of Handling Code	M ID 2/2
		Code indicating method of handling for an allowance or charge	
		Suggested code for aftermarket usage. Any ASC X12 approved code may be used.	
		06 Charge to be Paid by Customer	

<b>ITA05</b>	<b>341</b>	<b>Allowance or Charge Number</b>	<b>O AN 1/16</b>
		The number assigned by a vendor referencing an allowance, promotion, deal or charge	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		Values are:	
		FT = Freight Charges	
		DS = Drop Ship Charge	
		Other types to be defined.	
<b>ITA07</b>	<b>360</b>	<b>Allowance or Charge Total Amount</b>	<b>O N2 1/9</b>
		Total dollar amount for the allowance or charge	
<b>ITA13</b>	<b>352</b>	<b>Description</b>	<b>X AN 1/80</b>
		A free-form description to clarify the related data elements and their content	
<b>ITA14</b>	<b>150</b>	<b>Special Charge or Allowance Code</b>	<b>X ID 3/3</b>
		Code identifying type of special charge or allowance	
		Suggested codes for aftermarket usage. Any ASC X12 approved code may be used.	
		400            Freight	
		COR            Core Charge	
		CRC            Core Charge	

**Segment:** **ISS** Invoice Shipment Summary  
**Position:** 060  
**Loop:**  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 5  
**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 ISS01 is present, then ISS02 is required.
  - 3 If ISS03 is present, then ISS04 is required.
  - 4 If ISS05 is present, then ISS06 is required.

**Semantic Notes:**

**Comments:**

**Notes:** Segment Example: ISS\*1643\*EA\*7812\*LB^  
This is an optional segment.

**Data Element Summary**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
<b>ISS01</b>	<b>382 Number of Units Shipped</b> Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set	<b>X R 1/10</b>
<b>ISS02</b>	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Suggested code for aftermarket usage. Any ASC X12 approved code may be used. EA Each	<b>X ID 2/2</b>
<b>ISS03</b>	<b>81 Weight</b> Numeric value of weight	<b>X R 1/10</b>
<b>ISS04</b>	<b>355 Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Suggested code for aftermarket usage. Any ASC X12 approved code may be used. LB Pound	<b>X ID 2/2</b>

**Segment:** **CTT Transaction Totals**

**Position:** 070

**Loop:**

**Level:** Summary

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To transmit a hash total for a specific element in the transaction set

**Syntax Notes:** 1 If CTT03 is present, then CTT04 is required.

2 If CTT05 is present, then CTT06 is required.

**Semantic Notes:**

**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

**Notes:** Segment Example: CTT\*1\*3^

#### Data Element Summary

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Name</b>	
>> CTT01	354 <b>Number of Line Items</b> Total number of line items in the transaction set	<b>M N0 1/6</b>
CTT02	347 <b>Hash Total</b> 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.	<b>O R 1/10</b>

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.

**Segment:** **SE** Transaction Set Trailer  
**Position:** 080  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).

**Syntax Notes:**

**Semantic Notes:**

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

**Notes:** Segment Example: SE\*20\*121652^

**Data Element Summary**

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
>> SE01	96	Number of Included Segments	M N0 1/10
		Total number of segments 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 a transaction set	