



# 810 Invoice

X12/V4010/810 : 810 Invoice

**Version: 1.0 Draft**

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**Trading Partner:**  
**Notes:**

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# 810 Invoice

Functional Group=**IN**

**Purpose:** 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</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIG	Beginning Segment for Invoice	M	1			Must use
040	CUR	Currency	O	1			Used
050	REF	Reference Identification	O	12			Used
<b>LOOP ID - N1</b>					<b>200</b>		
070	N1	Name	O	1			Used
100	N4	Geographic Location	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used
<b>LOOP ID - N1</b>					<b>200</b>		
070	N1	Name	O	1			Used
090	N3	Address Information	O	2			Used
100	N4	Geographic Location	O	1			Used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - IT1</b>					<b>200000</b>		
010	IT1	Baseline Item Data (Invoice)	O	1			Used
050	CTP	Pricing Information	O	25			Used
<b>LOOP ID - PID</b>					<b>1000</b>		
060	PID	Product/Item Description	O	1			Used

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	TDS	Total Monetary Value Summary	M	1			Must use
080	SE	Transaction Set Trailer	M	1			Must use

**Simplot Notes:**

```
ISA*00*      *00*      *ZZ*9999999999999
*ZZ*ABCDEFG00000999*230615*3333*U*00401*000006633*0*P*::~~
GS*IN*9999999999999*ABCDEFG00000999*230615*3333*6633*X*004010~
ST*810*6666~
BIG*20230615*1234567**1234567***DI~
CUR*By*AUD~
REF*CO*5671234~
N1*BT*Party Name~
N4*Melbourne**1234*AU*SP*ABC~
```

N1\*ST\*Party Name~  
N3\*Address Information~  
N4\*Melbourne\*\*1234\*AU\*SP\*ABC~  
N1\*VN\*Vendor Name\*92\*9999999999~  
N3\*Address Information~  
N4\*Melbourne\*\*1234\*AU\*SP\*ABC~  
IT1\*1000\*1234\*CT\*12.34\*\*UK\*9999999999999999\*\*\*BY\*12345~  
CTP\*\*\*\*\*12345.67~  
PID\*F\*\*\*\*Item Description~  
TDS\*1234567~  
SE\*17\*6666~  
GE\*1\*6633~  
IEA\*1\*000006633~

# ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**Code List Summary** (Total Codes: 298, Included: 1)

**Code Name**

810 Invoice

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
------	-----	--------------------------------	---	----	-----	----------

**Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

## Semantics:

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).

# BIG Beginning Segment for Invoice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

**User Option (Usage):** Must use

**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIG01	373	<b>Date</b>	M	DT	8/8	Must use
		<b>Description:</b> Date expressed as CCYYMMDD				
BIG02	76	<b>Invoice Number</b>	M	AN	1/22	Must use
		<b>Description:</b> Identifying number assigned by issuer				
BIG04	324	<b>Purchase Order Number</b>	O	AN	1/22	Used
		<b>Description:</b> Identifying number for Purchase Order assigned by the orderer/purchaser				
BIG07	640	<b>Transaction Type Code</b>	O	ID	2/2	Used
		<b>Description:</b> Code specifying the type of transaction				
		<b>Code List Summary</b> (Total Codes: 446, Included: 1)				
		<b>Code</b>		<b>Name</b>		
		DI		Debit Invoice		

## Semantics:

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.

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CUR01	98	Entity Identifier Code	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**Code List Summary** (Total Codes: 1312, Included: 1)

**Code Name**

BY Buying Party (Purchaser)

CUR02	100	Currency Code	M	ID	3/3	Must use
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**Description:** Code (Standard ISO) for country in whose currency the charges are specified

## Syntax Rules:

1. C0807 - If CUR08 is present, then CUR07 is required.
2. C0907 - If CUR09 is present, then CUR07 is required.
3. L101112 - If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. C1110 - If CUR11 is present, then CUR10 is required.
5. C1210 - If CUR12 is present, then CUR10 is required.
6. L131415 - If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. C1413 - If CUR14 is present, then CUR13 is required.
8. C1513 - If CUR15 is present, then CUR13 is required.
9. L161718 - If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. C1716 - If CUR17 is present, then CUR16 is required.
11. C1816 - If CUR18 is present, then CUR16 is required.
12. L192021 - If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. C2019 - If CUR20 is present, then CUR19 is required.
14. C2119 - If CUR21 is present, then CUR19 is required.

## Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

# REF Reference Identification

Pos: 050	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

**Purpose:** To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use
<b>Description:</b> Code qualifying the Reference Identification						
<b>Code List Summary</b> (Total Codes: 1503, Included: 1)						
<b>Code Name</b>						
CO Customer Order Number						
REF02	127	Reference Identification	X	AN	1/30	Used
<b>Description:</b> Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier						

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

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



# Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
100	N4	Geographic Location	O	1		Used

# N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**Code List Summary** (Total Codes: 1312, Included: 1)

<u>Code</u>	<u>Name</u>
BT	Bill-to-Party

N102	93	Name	X	AN	1/60	Used
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**Description:** Free-form name

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## 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.

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>Code List Summary</b> (Total Codes: 172, Included: 1)				
		<b><u>Code</u> <u>Name</u></b>				
		SP State/Province				
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				

## Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

## 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.

# Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used

# N1 Name

Pos: 070	Max: 1
Heading - Optional	
Loop: N1	Elements: 2

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

**Description:** Code identifying an organizational entity, a physical location, property or an individual

**Code List Summary** (Total Codes: 1312, Included: 1)

<u>Code</u>	<u>Name</u>
ST	Ship To

N102	93	Name	X	AN	1/60	Used
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**Description:** Free-form name

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## 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.

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use

**Description:** Address information

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>Code List Summary</b> (Total Codes: 172, Included: 1)				
		<b>Code</b>		<b>Name</b>		
		SP		State/Province		
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				

## Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

## 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.

# Loop Name

Pos: 070	Repeat: 200
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
070	N1	Name	O	1		Used
090	N3	Address Information	O	2		Used
100	N4	Geographic Location	O	1		Used



# N1 Name

<b>Pos:</b> 070	<b>Max:</b> 1
<b>Heading - Optional</b>	
<b>Loop:</b> N1	<b>Elements:</b> 4

**User Option (Usage):** Used

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	<b>Entity Identifier Code</b>	M	ID	2/3	Must use
<b>Description:</b> Code identifying an organizational entity, a physical location, property or an individual						
<b>Code List Summary</b> (Total Codes: 1312, Included: 1)						
<u>Code</u> <u>Name</u>						
VN Vendor						
N102	93	<b>Name</b>	X	AN	1/60	Used
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>Code List Summary</b> (Total Codes: 215, Included: 1)						
<u>Code</u> <u>Name</u>						
92 Assigned by Buyer or Buyer's Agent						
N104	67	<b>Identification Code</b>	X	AN	2/80	Used
<b>Description:</b> Code identifying a party or other code						

## Syntax Rules:

1. R0203 - At least one of N102 or N103 is required.
2. P0304 - If either N103 or N104 is present, then the other is required.

## 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.

# N3 Address Information

Pos: 090	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify the location of the named party

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Must use

**Description:** Address information

# N4 Geographic Location

Pos: 100	Max: 1
Heading - Optional	
Loop: N1	Elements: 5

**User Option (Usage):** Used

**Purpose:** To specify the geographic place of the named party

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	<b>City Name</b>	O	AN	2/30	Used
		<b>Description:</b> Free-form text for city name				
N403	116	<b>Postal Code</b>	O	ID	3/15	Used
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	<b>Country Code</b>	O	ID	2/3	Used
		<b>Description:</b> Code identifying the country				
N405	309	<b>Location Qualifier</b>	X	ID	1/2	Used
		<b>Description:</b> Code identifying type of location				
		<b>Code List Summary</b> (Total Codes: 172, Included: 1)				
		<b>Code</b>		<b>Name</b>		
		SP		State/Province		
N406	310	<b>Location Identifier</b>	O	AN	1/30	Used
		<b>Description:</b> Code which identifies a specific location				

## Syntax Rules:

1. C0605 - If N406 is present, then N405 is required.

## 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.

# Loop Baseline Item Data (Invoice)

Pos: 010	Repeat: 200000
Optional	
Loop: IT1	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	IT1	Baseline Item Data (Invoice)	O	1		Used
050	CTP	Pricing Information	O	25		Used
060		Loop PID	O		1000	Used

# IT1 Baseline Item Data (Invoice)

Pos: 010	Max: 1
Detail - Optional	
Loop: IT1	Elements: 8

**User Option (Usage):** Used

**Purpose:** To specify the basic and most frequently used line item data for the invoice and related transactions

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IT101	350	<b>Assigned Identification</b>	O	AN	1/20	Used
		<b>Description:</b> Alphanumeric characters assigned for differentiation within a transaction set				
IT102	358	<b>Quantity Invoiced</b>	X	R	1/10	Used
		<b>Description:</b> Number of units invoiced (supplier units)				
IT103	355	<b>Unit or Basis for Measurement Code</b>	X	ID	2/2	Used
		<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken				
		<b>Code List Summary</b> (Total Codes: 794, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		CT	Carton			
IT104	212	<b>Unit Price</b>	X	R	1/17	Used
		<b>Description:</b> Price per unit of product, service, commodity, etc.				
IT106	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)			
IT107	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
IT110	235	<b>Product/Service ID Qualifier</b>	X	ID	2/2	Used
		<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)				
		<b>Code List Summary</b> (Total Codes: 477, Included: 1)				
		<u>Code</u>	<u>Name</u>			
		BY	Concept Code			
IT111	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				

## Syntax Rules:

1. P020304 - If either IT102, IT103 or IT104 are present, then the others are required.
2. P0607 - If either IT106 or IT107 is present, then the other is required.
3. P0809 - If either IT108 or IT109 is present, then the other is required.
4. P1011 - If either IT110 or IT111 is present, then the other is required.
5. P1213 - If either IT112 or IT113 is present, then the other is required.

6. P1415 - If either IT114 or IT115 is present, then the other is required.
7. P1617 - If either IT116 or IT117 is present, then the other is required.
8. P1819 - If either IT118 or IT119 is present, then the other is required.
9. P2021 - If either IT120 or IT121 is present, then the other is required.
10. P2223 - If either IT122 or IT123 is present, then the other is required.
11. P2425 - If either IT124 or IT125 is present, then the other is required.

**Semantics:**

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.

# CTP Pricing Information

Pos: 050	Max: 25
Detail - Optional	
Loop: IT1	Elements: 1

**User Option (Usage):** Used

**Purpose:** To specify pricing information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTP08	782	Monetary Amount	O	R	1/18	Used

**Description:** Monetary amount

## Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.
2. C0607 - If CTP06 is present, then CTP07 is required.
3. C0902 - If CTP09 is present, then CTP02 is required.
4. C1002 - If CTP10 is present, then CTP02 is required.
5. C1103 - If CTP11 is present, then CTP03 is required.

## Semantics:

1. CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
2. CTP08 is the rebate amount.

## Comments:

1. See Figures Appendix for an example detailing the use of CTP03 and CTP04.
2. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

# Loop Product/Item Description

Pos: 060	Repeat: 1000
Optional	
Loop: PID	Elements: N/A

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
060	PID	Product/Item Description	O	1		Used



# PID Product/Item Description

Pos: 060	Max: 1
Detail - Optional	
Loop: PID	Elements: 2

**User Option (Usage):** Used

**Purpose:** To describe a product or process in coded or free-form format

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type	M	ID	1/1	Must use

**Description:** Code indicating the format of a description

**Code List Summary** (Total Codes: 3, Included: 1)

<u>Code</u>	<u>Name</u>
F	Free-form

PID05	352	Description	X	AN	1/80	Used
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**Description:** A free-form description to clarify the related data elements and their content

## Syntax Rules:

1. C0403 - If PID04 is present, then PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.
3. C0703 - If PID07 is present, then PID03 is required.
4. C0804 - If PID08 is present, then PID04 is required.
5. C0905 - If PID09 is present, then PID05 is required.

## Semantics:

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.

# TDS Total Monetary Value Summary

Pos: 010      Max: 1  
 Summary - Mandatory  
 Loop: N/A      Elements: 1

**User Option (Usage):** Must use

**Purpose:** To specify the total invoice discounts and amounts

**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
TDS01	610	Amount	M	N2	1/15	Must use

**Description:** Monetary amount

**Semantics:**

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.

# SE Transaction Set Trailer

Pos: 080	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

**User Option (Usage):** Must use

**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)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

- SE is the last segment of each transaction set.