



# **EDI Guideline**

**X12/V4010/832 : 832 Price/Sales Catalog**

**Version: 2.3**

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# 832 Price/Sales Catalog

## Functional Group=SC

**Purpose:** This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) 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 furnishing or requesting the price of goods or services in the form of a catalog.

### Not Defined:

<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>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

### 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	BCT	Beginning Segment for Price/Sales Catalog	M	1			Must use

<u>LOOP ID - N1</u>					<u>3</u>	
150	N1	Name	M	1		Must use

### 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>
<u>LOOP ID - LIN</u>					<u>≥1</u>		
010	LIN	Item Identification	M	1			Must use
030	DTM	Date/Time Reference	M	10			Must use
070	PID	Product/Item Description	M	200			Must use
100	PO4	Item Physical Details	C	1			Used
166	TXI	Tax Information	M	>1			Must use
<u>LOOP ID - CTP</u>					<u>100</u>		
170	CTP	Pricing Information	M	1			Must use

### 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	CTT	Transaction Totals	M	1		N3/010	Must use
020	SE	Transaction Set Trailer	M	1			Must use

### Not Defined:

<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>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

### Notes:

3/010 Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

# ISA Interchange Control Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 16

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

**Purpose:** To start and identify an interchange of zero or more functional groups and interchange-related control 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>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code to identify the type of information in the Authorization Information <b>All valid standard codes are used. (Total Codes: 7)</b>				
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10	Must use
		<b>Description:</b> Information used for additional identification or authorization of the interchange sender or the data in the interchange; the type of information is set by the Authorization Information Qualifier (I01)				
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code to identify the type of information in the Security Information <b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA04	I04	<b>Security Information</b>	M	AN	10/10	Must use
		<b>Description:</b> This is used for identifying the security information about the interchange sender or the data in the interchange; the type of information is set by the Security Information Qualifier (I03)				
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>				
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15	Must use
		<b>Description:</b> Identification code published by the sender for other parties to use as the receiver ID to route data to them; the sender always codes this value in the sender ID element				
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified <b>All valid standard codes are used. (Total Codes: 38)</b>				
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15	Must use
		<b>Description:</b> Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them				
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6	Must use
		<b>Description:</b> Date of the interchange				
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4	Must use
		<b>Description:</b> Time of the interchange				
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer <b>All valid standard codes are used. (Total Codes: 1)</b>				
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5	Must use
		<b>Description:</b> Code specifying the version number of the interchange control segments				

**CodeList Summary** (Total Codes: 14, Included: 1)

<u>Code</u>	<u>Name</u>					
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997					
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1	Must use
		<b>Description:</b> Code sent by the sender to request an interchange acknowledgment (TA1)				
		<b>All valid standard codes are used. (Total Codes: 2)</b>				
ISA15	I14	<b>Usage Indicator</b>	M	ID	1/1	Must use
		<b>Description:</b> Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<b>All valid standard codes are used. (Total Codes: 3)</b>				
ISA16	I15	<b>Component Element Separator</b>	M		1/1	Must use
		<b>Description:</b> Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator				

# GS Functional Group Header

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 8

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

**Purpose:** To indicate the beginning of a functional group and to provide control 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>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying a group of application related transaction sets						
<b>CodeList Summary</b> (Total Codes: 240, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		SC		Price/Sales Catalog (832)		
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party sending transmission; codes agreed to by trading partners						
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
<b>Description:</b> Code identifying party receiving transmission; codes agreed to by trading partners						
GS04	373	<b>Date</b>	M	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						
GS05	337	<b>Time</b>	M	TM	4/8	Must use
<b>Description:</b> Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)						
GS06	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						
GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
<b>Description:</b> Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480						
<b>All valid standard codes are used. (Total Codes: 2)</b>						
GS08	480	<b>Version / Release / Industry Identifier Code</b>	M	AN	1/12	Must use
<b>Description:</b> Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed						
<b>CodeList Summary</b> (Total Codes: 39, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		004010		Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997		

## Semantics:

1. GS04 is the group date.
2. GS05 is the group time.
3. The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

## Comments:

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar



transaction sets enclosed by a functional group header and a functional group trailer.

# 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

**CodeList Summary** (Total Codes: 298, Included: 1)

<u>Code</u>	<u>Name</u>
832	Price/Sales Catalog

ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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**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).

# BCT Beginning Segment for Price/Sales Catalog

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number 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>
BCT01	683	Catalog Purpose Code	M	ID	2/2	Must use
<b>Description:</b> Code indicating purpose of catalog						
<b>CodeList Summary</b> (Total Codes: 5, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		PC		Price Catalog		
BCT02	684	Catalog Number	M	AN	1/15	Must use
<b>Description:</b> Identifying number for catalog or superseded catalog						

# Loop Name

<b>Pos: 150</b>	<b>Repeat: 3</b>
<b>Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: N/A</b>

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

**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>
150	N1	Name	M	1		Must use

**N1****Name**

<b>Pos: 150</b>	<b>Max: 1</b>
<b>Heading - Mandatory</b>	
<b>Loop: N1</b>	<b>Elements: 4</b>

**User Option (Usage):** Must use**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>CodeList Summary</b> (Total Codes: 1312, Included: 4)						
		<u>Code</u>		<u>Name</u>		
		BY		Buying Party (Purchaser)		
		ST		Ship To		
		SU		Supplier/Manufacturer		
		VN		Vendor		
N102	93	<b>Name</b>	M	AN	1/60	Must use
<b>Description:</b> Free-form name						
N103	66	<b>Identification Code Qualifier</b>	O	ID	1/2	Used
<b>Description:</b> Code designating the system/method of code structure used for Identification Code (67)						
<b>CodeList Summary</b> (Total Codes: 215, Included: 3)						
		<u>Code</u>		<u>Name</u>		
		9		D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		91		Assigned by Seller or Seller's Agent		
		92		Assigned by Buyer or Buyer's Agent		
N104	67	<b>Identification Code</b>	O	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.

# Loop Item Identification

Pos: 010                      Repeat: >1  
Mandatory  
Loop: LIN                      Elements: N/A

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

**Purpose:** To specify basic item identification data

## 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	LIN	Item Identification	M	1		Must use
030	DTM	Date/Time Reference	M	10		Must use
070	PID	Product/Item Description	M	200		Must use
100	PO4	Item Physical Details	C	1		Used
166	TXI	Tax Information	M	>1		Must use
170		Loop CTP	M		100	Must use

# LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 8

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

**Purpose:** To specify basic item identification data

## 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>
LIN02	235	<b>Product/Service ID Qualifier</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)						
<b>CodeList Summary</b> (Total Codes: 477, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		VC		Vendor's (Seller's) Catalog Number		
		VN		Vendor's (Seller's) Item Number		
LIN03	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
<b>Description:</b> Identifying number for a product or service						
LIN04	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>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		IN		Buyer's Item Number		
LIN05	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						
LIN06	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>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		CR		Contract Number		
LIN07	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						
LIN08	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>CodeList Summary</b> (Total Codes: 477, Included: 1)						
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
LIN09	234	<b>Product/Service ID</b>	X	AN	1/48	Used
<b>Description:</b> Identifying number for a product or service						

## Syntax Rules:

1. P0405 - If either LIN04 or LIN05 is present, then the other is required.
2. P0607 - If either LIN06 or LIN07 is present, then the other is required.
3. P0809 - If either LIN08 or LIN09 is present, then the other is required.

**Semantics:**

1. LIN01 is the line item identification



# DTM Date/Time Reference

Pos: 030 Max: 10  
 Detail - Mandatory  
 Loop: LIN Elements: 2

**User Option (Usage):** Must use  
**Purpose:** To specify pertinent dates and times

## 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>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

**Description:** Code specifying type of date or time, or both date and time

**CodeList Summary** (Total Codes: 1112, Included: 3)

<u>Code</u>	<u>Name</u>
007	Effective
036	Expiration
169	Product Availability Date

DTM02	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.

# PID Product/Item Description

Pos: 070	Max: 200
Detail - Mandatory	
Loop: LIN	Elements: 2

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

**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

**CodeList Summary** (Total Codes: 3, Included: 1)

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

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

## Syntax Rules:

1. R0405 - At least one of PID04 or PID05 is required.

## Semantics:

- 1.

## Comments:

1. If PID01 equals "F", then PID05 is used.

# PO4 Item Physical Details

Pos: 100	Max: 1
Detail - Conditional	
Loop: LIN	Elements: 4

**User Option (Usage):** Used

**Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item

## 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>
PO401	356	<b>Pack</b>	M	N0	1/6	Used
		<b>Description:</b> The number of inner containers, or number of eaches if there are no inner containers, per outer container				
PO402	357	<b>Size</b>	X	R	1/8	Used
		<b>Description:</b> Size of supplier units in pack				
PO403	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>All valid standard codes are used. (Total Codes: 794)</b>				
PO414	810	<b>Inner Pack</b>	O	N0	1/6	Used
		<b>Description:</b> The number of eaches per inner container				

## Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".

# TXI Tax Information

Pos: 166	Max: >1
Detail - Mandatory	
Loop: LIN	Elements: 3

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

**Purpose:** To specify tax 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>
TXI01	963	Tax Type Code	M	ID	2/2	Must use
<b>Description:</b> Code specifying the type of tax						
<b>CodeList Summary</b> (Total Codes: 74, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		GS		Goods and Services Tax		
		PS		State or Provincial Tax on Services		
TXI03	954	Percent	M	R	1/10	Must use
<b>Description:</b> Percentage expressed as a decimal						
TXI06	441	Tax Exempt Code	M	ID	1/1	Must use
<b>Description:</b> Code identifying exemption status from sales and use tax						
<b>CodeList Summary</b> (Total Codes: 34, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		1		Yes (Tax Exempt)		
		2		No (Not Tax Exempt)		

## Syntax Rules:

1. R020306 - At least one of TXI02, TXI03 or TXI06 is required.

## Semantics:

1. TXI03 is the tax percent expressed as a decimal.

# Loop Pricing Information

Pos: 170	Repeat: 100
Mandatory	
Loop: CTP	Elements: N/A

**User Option (Usage):** Must use  
**Purpose:** To specify pricing information

## 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>
170	CTP	Pricing Information	M	1		Must use

# CTP Pricing Information

Pos: 170	Max: 1
Detail - Mandatory	
Loop: CTP	Elements: 4

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

**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>
CTP02	236	<b>Price Identifier Code</b>	M	ID	3/3	Must use
<b>Description:</b> Code identifying pricing specification						
<b>CodeList Summary</b> (Total Codes: 164, Included: 2)						
		<u>Code</u>		<u>Name</u>		
		CAT		Catalog Price		
		CON		Contract Price		
CTP03	212	<b>Unit Price</b>	M	R	1/17	Must use
<b>Description:</b> Price per unit of product, service, commodity, etc.						
CTP04	380	<b>Quantity</b>	M	R	1/15	Must use
<b>Description:</b> Numeric value of quantity						
CTP05	C001	<b>Composite Unit of Measure</b>	M	Comp		Must use
<b>Description:</b> To identify a composite unit of measure(See Figures Appendix for examples of use)						
<b>Comments:</b>						
1. If C001-02 is not used, its value is to be interpreted as 1.						
2. If C001-03 is not used, its value is to be interpreted as 1.						
3. If C001-05 is not used, its value is to be interpreted as 1.						
4. If C001-06 is not used, its value is to be interpreted as 1.						
5. If C001-08 is not used, its value is to be interpreted as 1.						
6. If C001-09 is not used, its value is to be interpreted as 1.						
7. If C001-11 is not used, its value is to be interpreted as 1.						
8. If C001-12 is not used, its value is to be interpreted as 1.						
9. If C001-14 is not used, its value is to be interpreted as 1.						
10. If C001-15 is not used, its value is to be interpreted as 1.						
CTP05-01	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Must use
<b>Description:</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken						
<b>All valid standard codes are used. (Total Codes: 794)</b>						

## Syntax Rules:

1. P0405 - If either CTP04 or CTP05 is present, then the other is required.

# CTT Transaction Totals

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

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

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

## 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>
CTT01	354	Number of Line Items	M	NO	1/6	Must use

**Description:** Total number of line items in the transaction set

## Comments:

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

# SE Transaction Set Trailer

Pos: 020	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:

1. SE is the last segment of each transaction set.



# GE Functional Group Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the end of a functional group and to provide control 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>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
<b>Description:</b> Assigned number originated and maintained by the sender						

## Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

## Comments:

1. The use of identical data interchange control numbers in the associated functional group header and trailer is designed to maximize functional group integrity. The control number is the same as that used in the corresponding header.

# IEA Interchange Control Trailer

Pos:	Max: 1
Not Defined - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control 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>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

**Sample 832:**

ISA\*00\* \*00\* \*ZZ\*SUPPLIER \*ZZ\*HOSPITAL \*131030\*1053\*U\*00401\*000360813\*0\*P\*>~  
 GS\*SC\*SUPPLIER\*HOSPITAL\*20131030\*1053\*360480\*X\*004010~  
 ST\*832\*1130228~  
 BCT\*PC\*103013~  
 N1\*SU\*SUPPLIER NAME\*92\*5145555555~  
 LIN\*1\*VN\*VN123456~  
 DTM\*036\*20140228~  
 DTM\*007\*20130301~  
 PID\*F\*\*\*\*PRODUCT DESCRIPTION~  
 TXI\*GS\*\*5\*\*\*2~  
 TXI\*PS\*\*9.975\*\*\*2~  
 CTP\*\*CON\*41.9\*1\*EA~  
 LIN\*2\*VN\*VN456789~  
 DTM\*036\*20140228~  
 DTM\*007\*20130301~  
 PID\*F\*\*\*\*PRODUCT DESCRIPTION~  
 TXI\*GS\*\*5\*\*\*2~  
 TXI\*PS\*\*9.975\*\*\*2~  
 CTP\*\*CAT\*7.09\*1\*EA~  
 LIN\*3\*VN\*VN789456~  
 DTM\*007\*20131030~  
 PID\*F\*\*\*\*PRODUCT DESCRIPTION~  
 TXI\*GS\*\*5\*\*\*1~  
 TXI\*PS\*\*9.975\*\*\*1~  
 CTP\*\*CAT\*178.13\*1\*EA~  
 CTT\*3~  
 SE\*25\*1130228~  
 GE\*1\*360480~  
 IEA\*1\*000360813~