



# Super Shoes EDI Guideline

ANSI X12 - 004010 832 Price/Sales Catalog

**Version: 1.0 Draft**

<b>Author:</b>	<b>SPS Commerce</b>
<b>Publication:</b>	
<b>Trading Partner:</b>	
<b>Created:</b>	<b>01/22/2010</b>
<b>Modified:</b>	<b>01/22/2010</b>
<b>Current:</b>	<b>01/22/2010</b>
<b>Notes:</b>	

# Table of Contents

832	Price/Sales Catalog .....	3
ISA	Interchange Control Header .....	5
GS	Functional Group Header .....	7
ST	Transaction Set Header .....	9
BCT	Beginning Segment for Price/Sales Catalog .....	10
REF	Reference Identification .....	11
DTM	Date/Time Reference .....	12
CUR	Currency .....	13
N1	Loop N1 .....	14
N1	Name .....	15
LIN	Loop LIN .....	16
LIN	Item Identification .....	17
G53	Maintenance Type .....	19
DTM	Date/Time Reference .....	20
CTB	Restrictions/Conditions .....	21
PID	Product/Item Description .....	22
TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both) .....	24
LDT	Lead Time .....	25
FOB	F.O.B. Related Instructions .....	26
G55	Item Characteristics - Consumer Unit .....	27
CTP	Loop CTP .....	30
CTP	Pricing Information .....	31
DTM	Date/Time Reference .....	33
CUR	Currency .....	34
CTT	Transaction Totals .....	35
SE	Transaction Set Trailer .....	36
GE	Functional Group Trailer .....	37
IEA	Interchange Control Trailer .....	38

**832****Price/Sales Catalog****Functional Group=SC**

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
050	REF	Reference Identification	O	>1			Must use
070	DTM	Date/Time Reference	O	10			Used
090	CUR	Currency	O	5			Used
<b>LOOP ID - N1</b>					<b>&gt;1</b>		
150	N1	Name	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 - LIN</b>					<b>&gt;1</b>		
010	LIN	Item Identification	O	1			Must use
015	G53	Maintenance Type	O	1			Used
030	DTM	Date/Time Reference	O	10			Used
060	CTB	Restrictions/Conditions	O	25			Used
070	PID	Product/Item Description	O	200			Used
110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1			Used
140	LDT	Lead Time	O	1			Used
160	FOB	F.O.B. Related Instructions	O	1			Used
168	G55	Item Characteristics - Consumer Unit	O	1			Used
<b>LOOP ID - CTP</b>					<b>100</b>		
170	CTP	Pricing Information	O	1			Used
180	DTM	Date/Time Reference	O	10			Used
200	CUR	Currency	O	5			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	CTT	Transaction Totals	O	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

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

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

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.</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.</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.</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.</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.</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 <b>All valid standard codes are used.</b>				
ISA13	I12	<b>Interchange Control Number</b>	M	NO	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.</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.</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

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

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

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				
		<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.</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				
		<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

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	<b>Transaction Set Identifier Code</b>	M	ID	3/3	Must use
		<b>Description:</b> Code uniquely identifying a Transaction Set <b>All valid standard codes are used.</b>				
ST02	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				

## 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: 5

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

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	<b>Catalog Purpose Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating purpose of catalog				
		<u>Code</u>		<u>Name</u>		
		PC		Price Catalog		
		RC		Resale Catalog		
		SC		Sales Catalog		
BCT02	684	<b>Catalog Number</b>	O	AN	1/15	Must use
		<b>Description:</b> Identifying number for catalog or superseded catalog				
BCT03	685	<b>Catalog Version Number</b>	O	AN	1/15	Used
		<b>Description:</b> Identifying version number of catalog or superseded catalog				
BCT09	352	<b>Description</b>	O	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				
BCT10	353	<b>Transaction Set Purpose Code</b>	O	ID	2/2	Must use
		<b>Description:</b> Code identifying purpose of transaction set				

<u>Code</u>	<u>Name</u>
00	Original
	<b>User Note 1:</b> <i>If "00" is used, than G5301 must be used to determine the action taken on individual line items.</i>
02	Add
	<b>User Note 1:</b> <i>If "02" is used, than G5301 will be ignored, and all line items will be treated as an "Add Full Item Detail".</i>
03	Delete
	<b>User Note 1:</b> <i>If "03" is used, than G5301 will be ignored, and all line items represented by LIN segments will be deleted.</i>
04	Change
	<b>User Note 1:</b> <i>If "04" is used, than G5301 will take precedence over BCT10. If G5301 does not exist, than existing line items will be modified, and currently non-existing line items will be added.</i>

# REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

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

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

**Description:** Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
DP	Department Number
IA	Internal Vendor Number

REF02	127	Reference Identification	X	AN	1/30	Must use
-------	-----	--------------------------	---	----	------	----------

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

**User Note 1:** Vendor Number is required (REF01 = IA). Vendor number must be numeric and maximum length is 10.

Department Number is optional (REF01 = DP). Department number, if used, must be numeric and maximum length is 10.

## 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.

# DTM Date/Time Reference

Pos: 070	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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

<u>Code</u>	<u>Name</u>
007	Effective
036	Expiration

DTM02	373	Date	X	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# CUR Currency

Pos: 090	Max: 5
Heading - Optional	
Loop: N/A	Elements: 2

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

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

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)

CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
-------	-----	----------------------	---	----	-----	----------

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

**User Note 1:** *AUS Australia Dollar*

*CAD Canadian Dollar*

*MEX Mexican Peso*

*USD US Dollar*

*YEN Japanese Yen*

## 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.

# Loop N1

Pos: 150	Repeat: >1
Optional	
Loop: N1	Elements: N/A

**User Option (Usage):** Used

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	O	1		Used

**N1****Name**

<b>Pos: 150</b>	<b>Max: 1</b>
<b>Heading - Optional</b>	
<b>Loop: N1</b>	<b>Elements: 2</b>

**User Option (Usage):** Used

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				
		<u>Code</u>		<u>Name</u>		
		VN		Vendor		
N102	93	<b>Name</b>	X	AN	1/60	Must use
		<b>Description:</b> 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.

# Loop LIN

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

**User Option (Usage):** Used

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	O	1		Must use
015	G53	Maintenance Type	O	1		Used
030	DTM	Date/Time Reference	O	10		Used
060	CTB	Restrictions/Conditions	O	25		Used
070	PID	Product/Item Description	O	200		Used
110	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	>1		Used
140	LDT	Lead Time	O	1		Used
160	FOB	F.O.B. Related Instructions	O	1		Used
168	G55	Item Characteristics - Consumer Unit	O	1		Used
170		Loop CTP	O		100	Used



# LIN Item Identification

Pos: 010	Max: 1
Detail - Optional	
Loop: LIN	Elements: 14

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

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)				
		<u>Code</u>		<u>Name</u>		
		VC		Vendor's (Seller's) Catalog 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)				
		<u>Code</u>		<u>Name</u>		
		SK		Stock Keeping Unit (SKU)		
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)				
		<u>Code</u>		<u>Name</u>		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
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)				
		<u>Code</u>		<u>Name</u>		
		UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)		
LIN09	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
LIN10	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)				
		<u>Code</u>		<u>Name</u>		

		UI		U.P.C. Consumer Package Code (1-5-5)				
		UN		U.P.C. Case Code Number (1-1-5-5)				
LIN11	234	<b>Product/Service ID</b>	X	AN	1/48	Used		
		<b>Description:</b> Identifying number for a product or service						
LIN12	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)						
		<u>Code</u>		<u>Name</u>				
		CM		National Retail Merchants Association Color Code				
LIN13	234	<b>Product/Service ID</b>	X	AN	1/48	Used		
		<b>Description:</b> Identifying number for a product or service						
LIN14	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)						
		<u>Code</u>		<u>Name</u>				
		SM		National Retail Merchants Association Size Code				
LIN15	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.
4. P1011 - If either LIN10 or LIN11 is present, then the other is required.
5. P1213 - If either LIN12 or LIN13 is present, then the other is required.
6. P1415 - If either LIN14 or LIN15 is present, then the other is required.
7. P1617 - If either LIN16 or LIN17 is present, then the other is required.
8. P1819 - If either LIN18 or LIN19 is present, then the other is required.
9. P2021 - If either LIN20 or LIN21 is present, then the other is required.
10. P2223 - If either LIN22 or LIN23 is present, then the other is required.
11. P2425 - If either LIN24 or LIN25 is present, then the other is required.
12. P2627 - If either LIN26 or LIN27 is present, then the other is required.
13. P2829 - If either LIN28 or LIN29 is present, then the other is required.
14. P3031 - If either LIN30 or LIN31 is present, then the other is required.

### Semantics:

1. LIN01 is the line item identification

### Comments:

1. See the Data Dictionary for a complete list of IDs.
2. LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

# G53 Maintenance Type

Pos: 015	Max: 1
Detail - Optional	
Loop: LIN	Elements: 1

**User Option (Usage):** Used

To identify the specific type of item maintenance

## 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>
G5301	875	Maintenance Type Code	M	ID	3/3	Must use

**Description:** Code identifying the specific type of item maintenance

**User Note 1:** *If BCT10 contains "00" (Original), than G5301 must be used, and the action indicated in G5301 will be the action taken on the line item.*

*If BCT10 contains "02" (Add), than G5301 will be ignored, and all items will be added, or over-written if they already exist.*

*If BCT10 contains "03" (Delete), than G5301 will be ignored, and the item represented by the LIN segment will be deleted.*

*If BCT10 contains "04" (Change), than the G5301 will take precedence if it exists. If the G5301 does not exist, than existing items will be modified per information on the 832, or if the items currently does not exist, than it will be added per information on the 832.*

<u>Code</u>	<u>Name</u>
001	Change
002	Delete
003	Add Full Item Detail

# DTM Date/Time Reference

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

**User Option (Usage):** Used

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	<b>Date/Time Qualifier</b>	M	ID	3/3	Must use
<b>Description:</b> Code specifying type of date or time, or both date and time						
		<u>Code</u>	<u>Name</u>			
		018	Available			
		036	Expiration			
		152	Effective Date of Change			
DTM02	373	<b>Date</b>	X	DT	8/8	Must use
<b>Description:</b> Date expressed as CCYYMMDD						

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# CTB Restrictions/Conditions

Pos: 060	Max: 25
Detail - Optional	
Loop: LIN	Elements: 3

**User Option (Usage):** Used

To specify restrictions/conditions (such as shipping, ordering)

## 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>
CTB01	688	<b>Restrictions/Conditions Qualifier</b>	M	ID	2/2	Must use
		<b>Description:</b> Code identifying the type of restriction/condition				
		<u>Code</u>		<u>Name</u>		
		OR		Ordering		
CTB03	673	<b>Quantity Qualifier</b>	X	ID	2/2	Must use
		<b>Description:</b> Code specifying the type of quantity				
		<u>Code</u>		<u>Name</u>		
		57		Minimum Order Quantity		
		70		Maximum Order Quantity		
CTB04	380	<b>Quantity</b>	X	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				

## Syntax Rules:

1. R020406 - At least one of CTB02, CTB04 or CTB06 is required.
2. P0304 - If either CTB03 or CTB04 is present, then the other is required.
3. P0506 - If either CTB05 or CTB06 is present, then the other is required.

# PID Product/Item Description

Pos: 070	Max: 200
Detail - Optional	
Loop: LIN	Elements: 5

**User Option (Usage):** Used

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	<b>Item Description Type</b>	M	ID	1/1	Must use

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

<u>Code</u>	<u>Name</u>
F	Free-form
S	Structured (From Industry Code List)

PID02	750	<b>Product/Process Characteristic Code</b>	O	ID	2/3	Used
-------	-----	--	---	----	-----	------

**Description:** Code identifying the general class of a product or process characteristic

<u>Code</u>	<u>Name</u>
02	General Product Form
08	Product
73	Vendor color description
74	Vendor size description

PID03	559	<b>Agency Qualifier Code</b>	X	ID	2/2	Used
-------	-----	------------------------------	---	----	-----	------

**Description:** Code identifying the agency assigning the code values

<u>Code</u>	<u>Name</u>
AS	Assigned by Seller

PID04	751	<b>Product Description Code</b>	X	AN	1/12	Used
-------	-----	---------------------------------	---	----	------	------

**Description:** A code from an industry code list which provides specific data about a product characteristic

**User Note 1:** Valid Codes for PID04 when PID01 = S and PID03 = AS

- SN - (Seasonal Product Currently Not Available)
- SY - (Seasonal Product Currently Available)
- RN - (Product Not Available for Reorder)
- RY - (Product Available for Reorder)

PID05	352	<b>Description</b>	X	AN	1/80	Used
-------	-----	--------------------	---	----	------	------

**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.

# TD4 Carrier Details (Special Handling, or Hazardous Materials, or Both)

Pos: 110	Max: >1
Detail - Optional	
Loop: LIN	Elements: 2

**User Option (Usage):** Used

To specify transportation special handling requirements, or hazardous materials information, or both

## 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>
TD403	209	<b>Hazardous Material Class Code</b>	X	AN	1/4	Used
		<b>Description:</b> Code specifying the kind of hazard for a material				
TD404	352	<b>Description</b>	X	AN	1/80	Used
		<b>Description:</b> A free-form description to clarify the related data elements and their content				

## Syntax Rules:

1. R010204 - At least one of TD401, TD402 or TD404 is required.
2. C0203 - If TD402 is present, then TD403 is required.

## Semantics:

1. TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.



# LDT Lead Time

Pos: 140	Max: 1
Detail - Optional	
Loop: LIN	Elements: 3

**User Option (Usage):** Used

To specify lead time for availability of products and services

## 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>
LDT01	345	<b>Lead Time Code</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating the time range				
		<u>Code</u>		<u>Name</u>		
		AE		From date of PO receipt to shipment		
LDT02	380	<b>Quantity</b>	M	R	1/15	Must use
		<b>Description:</b> Numeric value of quantity				
LDT03	344	<b>Unit of Time Period or Interval</b>	M	ID	2/2	Must use
		<b>Description:</b> Code indicating the time period or interval				
		<u>Code</u>		<u>Name</u>		
		DA		Calendar Days		
		DW		Work Days		

## Semantics:

1. LDT04 is the effective date of lead time information.

## Comments:

1. LDT02 is the quantity of unit of time periods.

# FOB F.O.B. Related Instructions

Pos: 160	Max: 1
Detail - Optional	
Loop: LIN	Elements: 3

**User Option (Usage):** Used

To specify transportation instructions relating to shipment

## 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>
FOB01	146	<b>Shipment Method of Payment</b>	M	ID	2/2	Must use
<b>Description:</b> Code identifying payment terms for transportation charges						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		CC	Collect			
		CF	Collect, Freight Credited Back to Customer			
		DF	Defined by Buyer and Seller			
		MX	Mixed			
		PB	Customer Pick-up/Backhaul			
		PC	Prepaid but Charged to Customer			
		PP	Prepaid (by Seller)			
		PU	Pickup			
		TP	Third Party Pay			
FOB02	309	<b>Location Qualifier</b>	X	ID	1/2	Used
<b>Description:</b> Code identifying type of location						
		<b><u>Code</u></b>	<b><u>Name</u></b>			
		CA	Country of Origin			
FOB03	352	<b>Description</b>	O	AN	1/80	Used
<b>Description:</b> A free-form description to clarify the related data elements and their content						

## Syntax Rules:

1. C0302 - If FOB03 is present, then FOB02 is required.
2. C0405 - If FOB04 is present, then FOB05 is required.
3. C0706 - If FOB07 is present, then FOB06 is required.
4. C0809 - If FOB08 is present, then FOB09 is required.

## Semantics:

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.

# G55 Item Characteristics - Consumer Unit

Pos: 168	Max: 1
Detail - Optional	
Loop: LIN	Elements: 19

User Option (Usage): Used

To provide physical characteristics relative to a consumer unit

## 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>
G5501	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><u>Code</u></b>		<b><u>Name</u></b>		
		EN		European Article Number (EAN) (2-5-5-1)		
		UP		U.P.C. Consumer Package Code (1-5-5-1)		
G5502	234	<b>Product/Service ID</b>	M	AN	1/48	Must use
		<b>Description:</b> Identifying number for a product or service				
G5503	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><u>Code</u></b>		<b><u>Name</u></b>		
		UK		U.P.C./EAN Shipping Container Code (1-2-5-5-1)		
G5504	234	<b>Product/Service ID</b>	X	AN	1/48	Used
		<b>Description:</b> Identifying number for a product or service				
G5505	65	<b>Height</b>	X	R	1/8	Used
		<b>Description:</b> Vertical dimension of an object measured when the object is in the upright position				
G5506	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><u>Code</u></b>		<b><u>Name</u></b>		
		FT		Foot		
		IN		Inch		
G5507	189	<b>Width</b>	X	R	1/8	Used
		<b>Description:</b> Shorter measurement of the two horizontal dimensions measured with the object in the upright position				
G5508	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><u>Code</u></b>		<b><u>Name</u></b>		
		FT		Foot		

		IN	Inch				
G5509	82	<b>Length</b>		X	R	1/8	Used
		<b>Description:</b> Largest horizontal dimension of an object measured when the object is in the upright position					
G5510	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					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		FT	Foot				
		IN	Inch				
G5511	183	<b>Volume</b>		X	R	1/8	Used
		<b>Description:</b> Value of volumetric measure					
G5512	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					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		CF	Cubic Feet				
		CI	Cubic Inches				
G5513	356	<b>Pack</b>		O	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					
G5514	357	<b>Size</b>		X	R	1/8	Used
		<b>Description:</b> Size of supplier units in pack					
G5515	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					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		AS	Assortment				
		CA	Case				
		DZ	Dozen				
		EA	Each				
		PR	Pair				
		UN	Unit				
G5523	395	<b>Unit Weight</b>		X	R	1/8	Used
		<b>Description:</b> Numeric value of weight per unit					
G5524	187	<b>Weight Qualifier</b>		X	ID	1/2	Used
		<b>Description:</b> Code defining the type of weight					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		U	Weight Per Unit				
G5525	188	<b>Weight Unit Code</b>		X	ID	1/1	Used
		<b>Description:</b> Code specifying the weight unit					
		<u><b>Code</b></u>	<u><b>Name</b></u>				
		K	Kilograms				
		L	Pounds				

G5532 810 **Inner Pack** O NO 1/6 Used

**Description:** The number of eaches per inner container

### Syntax Rules:

1. P0304 - If either G5503 or G5504 is present, then the other is required.
2. P0506 - If either G5505 or G5506 is present, then the other is required.
3. P0708 - If either G5507 or G5508 is present, then the other is required.
4. P0910 - If either G5509 or G5510 is present, then the other is required.
5. P1112 - If either G5511 or G5512 is present, then the other is required.
6. P1415 - If either G5514 or G5515 is present, then the other is required.
7. P232425 - If either G5523, G5524 or G5525 are present, then the others are required.
8. P262728 - If either G5526, G5527 or G5528 are present, then the others are required.
9. P2930 - If either G5529 or G5530 is present, then the other is required.

### Semantics:

1. G5521 indicates if the product is prepriced. Code "Y" indicates the product is prepriced. Code "N" indicates the product is not prepriced.

### Comments:

1. G5516 is limited to 16 characters.

# Loop CTP

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

**User Option (Usage):** Used

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	O	1		Used
180	DTM	Date/Time Reference	O	10		Used
200	CUR	Currency	O	5		Used

# CTP Pricing Information

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

**User Option (Usage):** Used

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>	X	ID	3/3	Used

**Description:** Code identifying pricing specification

<u>Code</u>	<u>Name</u>
CON	Contract Price
LPR	List Price
MSR	Manufacturer's Suggested Retail
RES	Resale
UCP	Unit cost price
WHL	Wholesale

CTP03	212	<b>Unit Price</b>	X	R	1/17	Used
-------	-----	-------------------	---	---	------	------

**Description:** Price per unit of product, service, commodity, etc.

CTP04	380	<b>Quantity</b>	X	R	1/15	Used
-------	-----	-----------------	---	---	------	------

**Description:** Numeric value of quantity

CTP05	C001	<b>Composite Unit of Measure</b>	X	Comp		Used
-------	------	----------------------------------	---	------	--	------

**Description:** To identify a composite unit of measure(See Figures Appendix for examples of use)

	355	<b>Unit or Basis for Measurement Code</b>	M	ID	2/2	Used
--	-----	---	---	----	-----	------

**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

<u>Code</u>	<u>Name</u>
EA	Each

## 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.



# DTM Date/Time Reference

Pos: 180	Max: 10
Detail - Optional	
Loop: CTP	Elements: 2

**User Option (Usage):** Used

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

<u>Code</u>	<u>Name</u>
196	Start
197	End

DTM02	373	Date	X	DT	8/8	Must use
-------	-----	------	---	----	-----	----------

**Description:** Date expressed as CCYYMMDD

## Syntax Rules:

1. R020305 - At least one of DTM02, DTM03 or DTM05 is required.
2. C0403 - If DTM04 is present, then DTM03 is required.
3. P0506 - If either DTM05 or DTM06 is present, then the other is required.

# CUR Currency

Pos: 200	Max: 5
Detail - Optional	
Loop: CTP	Elements: 2

**User Option (Usage):** Used

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	<b>Entity Identifier Code</b>	M	ID	2/3	Must use

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

<u>Code</u>	<u>Name</u>
BY	Buying Party (Purchaser)

CUR02	100	<b>Currency Code</b>	M	ID	3/3	Must use
-------	-----	----------------------	---	----	-----	----------

**Description:** Code (Standard ISO) for country in whose currency the charges are specified

**User Note 1:** *AUS Australia Dollar*

*CAD Canadian Dollar*

*MEX Mexican Peso*

*USD US Dollar*

*YEN Japanese Yen*

## 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.

# CTT Transaction Totals

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

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

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

## Syntax Rules:

1. P0304 - If either CTT03 or CTT04 is present, then the other is required.
2. P0506 - If either CTT05 or CTT06 is present, then the other is required.

## 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

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	NO	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

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

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

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	NO	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	NO	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

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				