



860 Purchase Order Change Request - Buyer Initiated

X12/V4010/860: 860 Purchase Order Change Request - Buyer Initiated

Version: 1.0 Final

Author:	Seagate B2B
Publication:	
Trading Partner:	
Notes:	Ansi X12 EDI 860 to be used with OEM, Distribution or Retail partners.

Table of Contents

860	Purchase Order Change Request - Buyer Initiated	3
ISA	Interchange Control Header	5
GS	Functional Group Header	7
ST	Transaction Set Header	9
BCH	Beginning Segment for Purchase Order Change	10
CUR	Currency	12
TAX	Tax Reference	13
FOB	F.O.B. Related Instructions	14
ITD	Terms of Sale/Deferred Terms of Sale	15
TD5	Carrier Details (Routing Sequence/Transit Time)	17
N9	Loop N9	18
N9	Reference Identification	19
MSG	Message Text	20
N1	Loop N1	21
N1	Name	22
N3	Address Information	23
N4	Geographic Location	24
PER	Administrative Communications Contact	25
POC	Loop POC	26
POC	Line Item Change	27
PID	Loop PID	30
PID	Product/Item Description	31
SCH	Loop SCH	32
SCH	Line Item Schedule	33
N9	Loop N9	34
N9	Reference Identification	35
MSG	Message Text	36
CTT	Loop CTT	37
CTT	Transaction Totals	38
SE	Transaction Set Trailer	39
GE	Functional Group Trailer	40
IEA	Interchange Control Trailer	41

860

Purchase Order Change Request - Buyer Initiated

Functional Group=PC

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Change Request - Buyer Initiated Transaction Set (860) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide the information required for the customary and established business and industry practice relative to a purchase order change. This transaction can be used: (1) by a buyer to request a change to a previously submitted purchase order or (2) by a buyer to confirm acceptance of a purchase order change initiated by the seller or by mutual agreement of the two parties.

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
	ISA	Interchange Control Header	M	1			Must use	5
	GS	Functional Group Header	M	1			Must use	7

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
010	ST	Transaction Set Header	M	1			Must use	9
020	BCH	Beginning Segment for Purchase Order Change	M	1			Must use	10
040	CUR	Currency	O	1			Used	12
070	TAX	Tax Reference	O	>1			Used	13
080	FOB	F.O.B. Related Instructions	O	>1			Used	14
130	ITD	Terms of Sale/Deferred Terms of Sale	O	5			Used	15
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12			Used	17
LOOP ID - N9					1000			18
285	N9	Reference Identification	O	1			Used	19
290	MSG	Message Text	O	1000			Used	20
LOOP ID - N1					200			21
300	N1	Name	O	1			Used	22
320	N3	Address Information	O	2			Used	23
330	N4	Geographic Location	O	>1			Used	24
350	PER	Administrative Communications Contact	O	>1			Used	25

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage	Page
LOOP ID - POC					>1			26
010	POC	Line Item Change	O	1			Used	27
LOOP ID - PID					1000			30
050	PID	Product/Item Description	O	1			Used	31
LOOP ID - SCH					200			32
295	SCH	Line Item Schedule	O	1			Used	33
LOOP ID - N9					1000			34
320	N9	Reference Identification	O	1			Used	35
330	MSG	Message Text	O	1000			Used	36

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>	<u>Page</u>
LOOP ID - CTT					1	N3/010L		37
010	CTT	Transaction Totals	O	1		N3/010	Used	38
030	SE	Transaction Set Trailer	M	1			Must use	39

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>	<u>Page</u>
	GE	Functional Group Trailer	M	1			Must use	40
	IEA	Interchange Control Trailer	M	1			Must use	41

Notes:

- 3/010L Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.
- 3/010 Number of line items (CTT01) is the accumulation of the number of POC segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (POC03) for each POC segment.

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	Authorization Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Authorization Information						
		<u>Code</u>	<u>Name</u>			
		00	No Authorization Information Present (No Meaningful Information in I02)			
ISA02	I02	Authorization Information	O	AN	10/10	Not used
Description: 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	Security Information Qualifier	M	ID	2/2	Must use
Description: Code to identify the type of information in the Security Information						
		<u>Code</u>	<u>Name</u>			
		00	No Security Information Present (No Meaningful Information in I04)			
ISA04	I04	Security Information	O	AN	10/10	Not used
Description: 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	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
Record Name: Header Position 72						
Example: edi_interchange_qualifier						
ISA06	I06	Interchange Sender ID	M	AN	15/15	Must use
Description: 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						
Record Name: Header Position 2						
Example: edi_interchange_partner_id						
ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
		<u>Code</u>	<u>Name</u>			
		01	Duns (Dun & Bradstreet)			
ISA08	I07	Interchange Receiver ID	M	AN	15/15	Must use
Description: 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						
User Note 1: Seagate Production ISA ID: 098533326						
Seagate Test ISA ID: 098533326TST						
/						
ISA09	I08	Interchange Date	M	DT	6/6	Must use

		Description: Date of the interchange Record Name: Header Position 74 Example: trans_date (YYNNDDHH24MI)				
ISA10	I09	Interchange Time	M	TM	4/4	Must use
		Description: Time of the interchange Record Name: Header Position 74 Example: trans_date (YYMMDDHH24MI)				
ISA11	I10	Interchange Control Standards Identifier	M	ID	1/1	Must use
		Description: Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer				
		<u>Code</u>	<u>Name</u>			
		U	U.S. EDI Community of ASC X12, TDCC, and UCS			
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Must use
		Description: Code specifying the version number of the interchange control segments				
		<u>Code</u>	<u>Name</u>			
		00400	Standard Issued as ANSI X12.5-1997			
ISA13	I12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender Record Name: Header Position 86 Example: interchange_control_number				
ISA14	I13	Acknowledgment Requested	M	ID	1/1	Must use
		Description: Code sent by the sender to request an interchange acknowledgment (TA1)				
		<u>Code</u>	<u>Name</u>			
		0	No Acknowledgment Requested			
ISA15	I14	Usage Indicator	M	ID	1/1	Must use
		Description: Code to indicate whether data enclosed by this interchange envelope is test, production or information				
		<u>Code</u>	<u>Name</u>			
		P	Production Data			
		T	Test Data			
ISA16	I15	Component Element Separator	M		1/1	Must use
		Description: 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				

User Note 1:

Sample Data: ISA*00* *00*12*XXXXXXXXXXXX *01*098533326
*100107*07353*U*00400*000008102*o*P*|~

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS01	479	Functional Identifier Code	M	ID	2/2	Must use
		Description: Code identifying a group of application related transaction sets				
		<u>Code</u>		<u>Name</u>		
		PC		Purchase Order Change Request - Buyer Initiated (860)		
GS02	142	Application Sender's Code	M	AN	2/15	Must use
		Description: Code identifying party sending transmission; codes agreed to by trading partners				
		Record Name: Header Position 37				
		Example: edi_group_partner_id				
GS03	124	Application Receiver's Code	M	AN	2/15	Must use
		Description: Code identifying party receiving transmission; codes agreed to by trading partners				
		User Note 1: <i>Seagate Production GS ID: 098533326</i>				
		Seagate Test GS ID: <i>098533326TST</i>				
GS04	373	Date	M	DT	8/8	Must use
		Description: Date expressed as CCYYMMDD				
GS05	337	Time	M	TM	4/8	Must use
		Description: 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	Group Control Number	M	N0	1/9	Must use
		Description: Assigned number originated and maintained by the sender				
		Record Name: Header Position 100				
		Example: group_control_number				
GS07	455	Responsible Agency Code	M	ID	1/2	Must use
		Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480				
		<u>Code</u>		<u>Name</u>		
		X		Accredited Standards Committee X12		
GS08	480	Version / Release / Industry Identifier Code	M	AN	1/12	Must use
		Description: 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.

User Note 1:*Sample Data:*

GS*PO*XXXXXXXXXX*098533326*100107*0735*9071*X*004010~

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										
Record Name: Header Position 123										
Example: transaction_type										
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>860</td><td>Purchase Order Change Request - Buyer Initiated</td></tr></table>							<u>Code</u>	<u>Name</u>	860	Purchase Order Change Request - Buyer Initiated
<u>Code</u>	<u>Name</u>									
860	Purchase Order Change Request - Buyer Initiated									
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										
Record Name: Header Position 109										
Example: transaction_control_number										

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).

User Note 1:

Sample Data: ST*860*24786~

BCH Beginning Segment for Purchase Order Change

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 6

User Option (Usage): Must use

Purpose: To indicate the beginning of the Purchase Order Change Transaction Set and transmit identifying numbers and dates

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BCH01	353	Transaction Set Purpose Code	M	ID	2/2	Used
Description: Code identifying purpose of transaction set						
Record Name: H:428						
Example: cancel_order_flag (only if '01')						
		<u>Code</u>	<u>Name</u>			
		01	Cancellation			
		User Note 1:				
		<i>Sending code '01' in BCH segment will cancel the entire order.</i>				
		04	Change			
BCH02	92	Purchase Order Type Code	M	ID	2/2	Must use
Description: Code specifying the type of Purchase Order						
Record Name: H:187						
Example: po_type						
User Note 1: <i>If your company sends codes other than those specified, please consult Seagate's EDI person.</i>						
		<u>Code</u>	<u>Name</u>			
		CP	Change to Purchase Order			
BCH03	324	Purchase Order Number	M	AN	1/22	Must use
Description: Identifying number for Purchase Order assigned by the orderer/purchaser						
Record Name: H:129						
Example: po_number						
BCH05	327	Change Order Sequence Number	O	AN	1/8	Used
Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set						
Record Name: Header Position 189						
Example: po_change_level						
BCH06	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Record Name: H:179						
Example: po_date						
User Note 1: <i>This is the date of the Change Order.</i>						
BCH10	373	Date	O	DT	8/8	Used
Description: Date expressed as CCYYMMDD						
Record Name: Notes Position 11						
Example: custpo_notes						
User Note 1: <i>This is the date of the original Purchase Order.</i>						

Semantics:

1. BCH06 is the date assigned by the purchaser to purchase order.
2. BCH09 is the seller's order number.
3. BCH10 is the date assigned by the sender to the acknowledgment.
4. BCH11 is the date of the purchase order change request.

User Note 1:

Sample Data: *BCH*04*CP*4568921**2*20100114****20100103~*

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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	Name
BY	Buying Party (Purchaser)

CUR02	100	Currency Code	C	ID	3/3	Used
-------	-----	---------------	---	----	-----	------

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

Record Name: Ship_tos Position 27

Example: local_currency_code

User Note 1: *Seagate assumes USD unless otherwise specified.*

Include local currency code if not USD

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.

User Note 1:

Sample Data: CUR*BY*USD~

TAX Tax Reference

Pos: 070	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the 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>
TAX01	325	Tax Identification Number	C	AN	1/20	Used

Description: Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number

Record Name: Shiptos Position 81

Example: customer_exemption_number

User Note 1: *Tax id or tax exemption number. Include only if TAX12 = '1'.*

TAX12	441	Tax Exempt Code	O	ID	1/1	Used
-------	-----	------------------------	---	----	-----	------

Description: Code identifying exemption status from sales and use tax

Record Name: Shiptos Position 79

Example: tax_status

<u>Code</u>	<u>Name</u>
1	Yes (Tax Exempt)
2	No (Not Tax Exempt)

Syntax Rules:

1. R0103 - At least one of TAX01 or TAX03 is required.
2. P0203 - If either TAX02 or TAX03 is present, then the other is required.
3. P0405 - If either TAX04 or TAX05 is present, then the other is required.
4. P0607 - If either TAX06 or TAX07 is present, then the other is required.
5. P0809 - If either TAX08 or TAX09 is present, then the other is required.
6. P1011 - If either TAX10 or TAX11 is present, then the other is required.

Comments:

1. Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
2. TAX01 is required if tax exemption is being claimed.

User Note 1:

Sample Data: TAX*OR-55331*1~

FOB F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

User Option (Usage): Used

Purpose: 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	Shipment Method of Payment	M	ID	2/2	Used								
Description: Code identifying payment terms for transportation charges														
Record Name: Header Position 426														
Example: po_freight_terms														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>CC</td><td>Collect</td></tr><tr><td>PC</td><td>Prepaid but Charged to Customer</td></tr><tr><td>PP</td><td>Prepaid (by Seller)</td></tr></table>							<u>Code</u>	<u>Name</u>	CC	Collect	PC	Prepaid but Charged to Customer	PP	Prepaid (by Seller)
<u>Code</u>	<u>Name</u>													
CC	Collect													
PC	Prepaid but Charged to Customer													
PP	Prepaid (by Seller)													
FOB02	309	Location Qualifier	O	ID	1/2	Used								
Description: Code identifying type of location														
Record Name: Header Position 256														
Example: fob_code														
<table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>DE</td><td>Destination (Shipping)</td></tr><tr><td>OR</td><td>Origin (Shipping Point)</td></tr></table>							<u>Code</u>	<u>Name</u>	DE	Destination (Shipping)	OR	Origin (Shipping Point)		
<u>Code</u>	<u>Name</u>													
DE	Destination (Shipping)													
OR	Origin (Shipping Point)													
FOB03	352	Description	O	AN	1/80	Recommended								
Description: A free-form description to clarify the related data elements and their content														
Record Name: Header Position 286														
Example: fob_description														
User Note 1: Seagate allows 30 characters for FOB03.														

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.

User Note 1:

Sample Data: *FOB*CC*DE*PartnerHUB~*

ITD

Terms of Sale/Deferred Terms of Sale

Pos: 130	Max: 5
Heading - Optional	
Loop: N/A	Elements: 6

User Option (Usage): Used**Purpose:** To specify terms of sale**Element Summary:**

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ITD01	336	Terms Type Code	M	ID	2/2	Used

Description: Code identifying type of payment terms**Record Name:** Header Position 800**Example:** pay_terms_type_code

Code	Name
01	Basic
02	End of Month (EOM)
03	Fixed Date

ITD02	333	Terms Basis Date Code	M	ID	1/2	Used
-------	-----	-----------------------	---	----	-----	------

Description: Code identifying the beginning of the terms period**Record Name:** Header Position 840**Example:** pay_terms_date_code

Code	Name
3	Invoice Date
5	Invoice Receipt Date
15	Receipt of Goods

ITD03	338	Terms Discount Percent	M	R	1/6	Used
-------	-----	------------------------	---	---	-----	------

Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date**Record Name:** Header Position 219**Example:** Pay_terms_discount_percent

ITD05	351	Terms Discount Days Due	M	N0	1/3	Used
-------	-----	-------------------------	---	----	-----	------

Description: Number of days in the terms discount period by which payment is due if terms discount is earned**Record Name:** Header Position 225**Example:** pay_terms_discount_days

ITD07	386	Terms Net Days	M	N0	1/3	Used
-------	-----	----------------	---	----	-----	------

Description: Number of days until total invoice amount is due (discount not applicable)**Record Name:** Header Position 228**Example:** pay_terms_net_days

ITD12	352	Description	O	AN	1/80	Used
-------	-----	-------------	---	----	------	------

Description: A free-form description to clarify the related data elements and their content**Record Name:** Header Position 880**Example:** pay_terms_description**Syntax Rules:**

1. L03040513 - If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. L08040513 - If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. L091011 - If ITD09 is present, then at least one of ITD10 or ITD11 is required.

Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

1. If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

User Note 1:

Sample Data: ITD*01*3*1**5**30*****Net30~

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240	Max: 12
Heading - Optional	
Loop: N/A	Elements: 2

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time 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>
TD501	133	Routing Sequence Code	O	ID	1/2	Used
Description: Code describing the relationship of a carrier to a specific shipment movement						
		<u>Code</u>	<u>Name</u>			
		B	Origin/Delivery Carrier (Any Mode)			
TD505	387	Routing	X	AN	1/35	Used
Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity						
Record Name: Details Position 39						
Example: po_carrier						

Syntax Rules:

1. R0204050612 - At least one of TD502, TD504, TD505, TD506 or TD512 is required.
2. C0203 - If TD502 is present, then TD503 is required.
3. C0708 - If TD507 is present, then TD508 is required.
4. C1011 - If TD510 is present, then TD511 is required.
5. C1312 - If TD513 is present, then TD512 is required.
6. C1413 - If TD514 is present, then TD513 is required.
7. C1512 - If TD515 is present, then TD512 is required.

Semantics:

1. TD515 is the country where the service is to be performed.

Comments:

1. When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

User Note 1:

TD5*B**See Routing Guide~**

Loop N9

Pos: 285	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
285	N9	Reference Identification	O	1		Used
290	MSG	Message Text	O	1000		Used

N9**Reference Identification**

Pos: 285	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier**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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use

Description: Code qualifying the Reference Identification

<u>Code</u>	<u>Name</u>
ZZ	Mutually Defined

N902	127	Reference Identification	X	AN	1/30	Used
------	-----	---------------------------------	---	----	------	------

Description: 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 N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

User Note 1:*Messages or notes can be sent at either the header or line level.**Sample Data: N9*ZZ*Instructions~*

MSG Message Text

Pos: 290	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text 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>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

Record Name: Notes Position 11

Example: note

User Note 1: *Seagate allows 80 characters for MSG01.*

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

User Note 1:

Sample Data: *MSG*PO note goes here~*

Loop N1

Pos: 300	Repeat: 200
Mandatory	
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>
300	N1	Name	O	1		Used
320	N3	Address Information	O	2		Used
330	N4	Geographic Location	O	>1		Used
350	PER	Administrative Communications Contact	O	>1		Used

N1**Name**

Pos: 300	Max: 1
Heading - Optional	
Loop: N1	Elements: 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	Entity Identifier Code	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>
ST	Ship To

N102	93	Name	X	AN	1/60	Used
------	----	------	---	----	------	------

Description: Free-form name**Record Name:** ShipTo Position 101**Example:** customer_name**User Note 1:** *Seagate allows 35 characters for N102.*

N103	66	Identification Code Qualifier	X	ID	1/2	Not used
------	----	-------------------------------	---	----	-----	----------

Description: Code designating the system/method of code structure used for Identification Code (67)

<u>Code</u>	<u>Name</u>
92	Assigned by Buyer or Buyer's Agent

N104	67	Identification Code	M	AN	2/80	Must use
------	----	---------------------	---	----	------	----------

Description: Code identifying a party or other code**Record Name:** Ship to Position 2**Example:** partner_location_code**User Note 1:** *Seagate allows 17 characters for N104**Code that identifies where product is to be shipped.**This code is referenced to Seagate's internal ship-to customer number.**Please send to the EDI contact the codes and their corresponding addresses that will be sent in the N104.***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.

User Note 1:**Sample Data:** *N1*ST*Company Name*92*BLT~*

N3 Address Information

Pos: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

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

Record Name: ShipTo Position 136

Example: Address1

User Note 1: *Seagate allows 35 characters for N301.*

N302	166	Address Information	O	AN	1/55	Used
------	-----	---------------------	---	----	------	------

Description: Address information

Record Name: ShipTo Position 171

Example: Address2

User Note 1: *Seagate allows 35 characters for N302.*

User Note 1:

Sample Data: N3*745 Broadripple*Suite 412~

N4 Geographic Location

Pos: 330	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	City Name	O	AN	2/30	Used
Description: Free-form text for city name Record Name: ShipTo Position 241 Example: city User Note 1: <i>Seagate allows 19 characters for N401.</i>						
N402	156	State or Province Code	O	ID	2/2	Used
Description: Code (Standard State/Province) as defined by appropriate government agency Record Name: ShipTo Position 260 Example: state						
N403	116	Postal Code	O	ID	3/15	Used
Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) Record Name: ShipTo Position 262 Example: postal_code User Note 1: <i>Seagate allows 12 characters for N403.</i>						
N404	26	Country Code	O	ID	2/3	Used
Description: Code identifying the country Record Name: ShipTo Position 276 Example: country User Note 1: <i>Seagate allows 2 characters for N404.</i> <i>Only an ISO 2-character country code is acceptable.</i>						

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.

User Note 1:

Sample Data: N4*Indianapolis*IN*54672*US~

PER Administrative Communications Contact

Pos: 350	Max: >1
Heading - Optional	
Loop: N1	Elements: 4

User Option (Usage): Used

Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	Contact Function Code	O	ID	2/2	Used
Description: Code identifying the major duty or responsibility of the person or group named						
		<u>Code</u>		<u>Name</u>		
		BD		Buyer Name or Department		
PER02	93	Name	O	AN	1/60	Used
Description: Free-form name						
Record Name: Lines Position 151						
Example: buyer_name						
User Note 1: Seagate allows 35 characters for PER02.						
PER03	365	Communication Number Qualifier	O	ID	2/2	Used
Description: Code identifying the type of communication number						
		<u>Code</u>		<u>Name</u>		
		TE		Telephone		
PER04	364	Communication Number	O	AN	1/80	Used
Description: Complete communications number including country or area code when applicable						
Record Name: Lines Position 186						
Example: buyer_phone						
User Note 1: Seagate allows 25 characters for PER04.						

Syntax Rules:

1. P0304 - If either PER03 or PER04 is present, then the other is required.
2. P0506 - If either PER05 or PER06 is present, then the other is required.
3. P0708 - If either PER07 or PER08 is present, then the other is required.

User Note 1:

Sample Data: PER*BD*David Williams*TE*460-234-5212~

Loop POC

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

User Option (Usage): Used

Purpose: To specify changes to a line item

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	POC	Line Item Change	O	1		Used
050		Loop PID	O		1000	Used
295		Loop SCH	M		200	Used
320		Loop N9	O		1000	Used

POC Line Item Change

Pos: 010	Max: 1
Detail - Optional	
Loop: POC	Elements: 13

User Option (Usage): Used

Purpose: To specify changes to a line item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage										
POC01	350	Assigned Identification	M	AN	1/20	Must use										
Description: Alphanumeric characters assigned for differentiation within a transaction set Record Name: Lines Position 2 Example: po_line_number User Note 1: <i>PO Line Number</i> <i>Seagate allows 11 characters for POC01.</i>																
POC02	670	Change or Response Type Code	M	ID	2/2	Must use										
Description: Code specifying the type of change to the line item Record Name: Lines Position 126 Example: po_change_reason_code <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>PC</td><td>Price Change</td></tr><tr><td>QD</td><td>Quantity Decrease</td></tr><tr><td>QI</td><td>Quantity Increase</td></tr><tr><td>RS</td><td>Reschedule</td></tr></table>							<u>Code</u>	<u>Name</u>	PC	Price Change	QD	Quantity Decrease	QI	Quantity Increase	RS	Reschedule
<u>Code</u>	<u>Name</u>															
PC	Price Change															
QD	Quantity Decrease															
QI	Quantity Increase															
RS	Reschedule															
POC03	330	Quantity Ordered	M	R	1/15	Must use										
Description: Quantity ordered Record Name: Lines Position 128 Example: total_quantity User Note 1: <i>Seagate allows 9 characters for POC03.</i>																
POC04	671	Quantity Left to Receive	O	R	1/9	Used										
Description: Quantity left to receive as qualified by the unit of measure Record Name: Lines Position 253 Example: balance_to_receive_quantity User Note 1: <i>Seagate allows 9 characters for POC04.</i>																
POC05	C001	Composite Unit of Measure	X	Comp		Used										
Description: To identify a composite unit of measure(See Figures Appendix for examples of use)																
	355	Unit or Basis for Measurement Code	O	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 Record Name: Lines Position 123 Example: po_part_uom_code <table><tr><th><u>Code</u></th><th><u>Name</u></th></tr><tr><td>EA</td><td>Each</td></tr></table>							<u>Code</u>	<u>Name</u>	EA	Each						
<u>Code</u>	<u>Name</u>															
EA	Each															
POC06	212	Unit Price	O	R	1/17	Used										
Description: Price per unit of product, service, commodity, etc. Record Name: Lines Postion 137 Example: po_price User Note 1: <i>Price per each individual item - not bundled.</i>																

Seagate allows 14 characters for POC06.

POC07 639 **Basis of Unit Price Code** O ID 2/2 Used

Description: Code identifying the type of unit price for an item

Code	Name
PE	Price per Each

POC08 235 **Product/Service ID Qualifier** M ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *Seagate will map one part number, but has the ability to include part numbers for other application use if needed for the invoice or ship notice. Please specify if the part number sent in the EDI 860 is to be returned in another document.*

Code	Name
BP	Buyer's Part Number

POC09 234 **Product/Service ID** C AN 1/48 Used

Description: Identifying number for a product or service

Record Name: Lines Position 13

Example: po_part_number (map only 1 of POC09, POC11, POC13)

User Note 1: *Seagate allows 30 characters for POC09.*

POC10 235 **Product/Service ID Qualifier** M ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

User Note 1: *Seagate will map one part number, but has the ability to include part numbers for other application use if needed for the invoice or ship notice. Please specify if the part number sent in the EDI 860 is to be returned in another document.*

Code	Name
VP	Vendor's (Seller's) Part Number

POC11 234 **Product/Service ID** C AN 1/48 Used

Description: Identifying number for a product or service

Record Name: Lines Position 13

Example: po_part_number (map only 1 of POC09, POC11, POC13)

User Note 1: *Seagate allows 30 characters for POC11.*

POC12 235 **Product/Service ID Qualifier** M ID 2/2 Used

Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Record Name: Lines Position 13

Example: po_part_number (map only 1 of POC09, POC11, PO13)

Code	Name
UP	U.P.C. Consumer Package Code (1-5-5-1)

POC13 234 **Product/Service ID** C AN 1/48 Used

Description: Identifying number for a product or service

Record Name: Lines Position 132

Example: po_part_number (map only 1 of POC09, POC11, POC13)

User Note 1: *Seagate allows 30 characters for POC13.*

Syntax Rules:

1. C030405 - If POC03 is present, then POC04 and POC05 are required.
2. C0706 - If POC07 is present, then POC06 is required.
3. P0809 - If either POC08 or POC09 is present, then the other is required.
4. P1011 - If either POC10 or POC11 is present, then the other is required.
5. P1213 - If either POC12 or POC13 is present, then the other is required.
6. P1415 - If either POC14 or POC15 is present, then the other is required.
7. P1617 - If either POC16 or POC17 is present, then the other is required.
8. P1819 - If either POC18 or POC19 is present, then the other is required.
9. P2021 - If either POC20 or POC21 is present, then the other is required.
10. P2223 - If either POC22 or POC23 is present, then the other is required.
11. P2425 - If either POC24 or POC25 is present, then the other is required.
12. P2627 - If either POC26 or POC27 is present, then the other is required.

Semantics:

1. POC01 is the purchase order line item identification.

User Note 1:

Sample Data:

*POC*0001*800*EA*160**BP*ST3146356SS*VP*4587321*UP*763649000939~*

Loop PID

Pos: 050	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>
050	PID	Product/Item Description	O	1		Used

PID Product/Item Description

Pos: 050	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						
		<u>Code</u>		<u>Name</u>		
		F		Free-form		
PID05	352	Description	X	AN	1/80	Used
Description: A free-form description to clarify the related data elements and their content						
Record Name: Lines Position 43						
Example: po_part-description						

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.

User Note 1:

Sample Data: PID*F****2TB INTERNAL KIT5900.11 SATA INT5900RPM 32MG~

Loop SCH

Pos: 295	Repeat: 200
Mandatory	
Loop: SCH	Elements: N/A

User Option (Usage): Used

Purpose: To specify the data for scheduling a specific line-item

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>
295	SCH	Line Item Schedule	O	1		Used

SCH Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 4

User Option (Usage): Used

Purpose: To specify the data for scheduling a specific line-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>
SCH01	380	Quantity	M	R	1/15	Must use
Description: Numeric value of quantity						
SCH02	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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			
SCH05	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>			
		002	Delivery Requested			
User Note 1:						
Seagate's system requires 'requested dock date'. If a code other than '002' will be sent, contact the Seagate EDI representative. If a date other than '002' is sent, the information will be provided as note text to Seagate users.						
SCH06	373	Date	M	DT	8/8	Must use
Description: Date expressed as CCYYMMDD						
Record Name: Details Position 13						
Example: requested_ship_date						

Syntax Rules:

1. C0304 - If SCH03 is present, then SCH04 is required.
2. L080910 - If SCH08 is present, then at least one of SCH09 or SCH10 is required.
3. C0908 - If SCH09 is present, then SCH08 is required.
4. C1008 - If SCH10 is present, then SCH08 is required.

Semantics:

1. SCH12 is the schedule identification.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.

User Note 1:

Sample Data: SCH*7*EA***002*100215~

Loop N9

Pos: 320	Repeat: 1000
Optional	
Loop: N9	Elements: N/A

User Option (Usage): Used

Purpose: To transmit identifying information as specified by the Reference Identification Qualifier

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>
320	N9	Reference Identification	O	1		Used
330	MSG	Message Text	O	1000		Used

N9**Reference Identification**

Pos: 320	Max: 1
Detail - Optional	
Loop: N9	Elements: 2

User Option (Usage): Used**Purpose:** To transmit identifying information as specified by the Reference Identification Qualifier**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>
N901	128	Reference Identification Qualifier	M	ID	2/3	Must use
Description: Code qualifying the Reference Identification						
		<u>Code</u>		<u>Name</u>		
		ZZ		Mutually Defined		
N903	369	Free-form Description	X	AN	1/45	Used
Description: Free-form descriptive text						

Syntax Rules:

1. R0203 - At least one of N902 or N903 is required.
2. C0605 - If N906 is present, then N905 is required.

Semantics:

1. N906 reflects the time zone which the time reflects.
2. N907 contains data relating to the value cited in N902.

User Note 1:

Messages or notes can be sent at either the header or line level.

*Sample Data: N9*ZZ*NOTE~*

MSG Message Text

Pos: 330	Max: 1000
Detail - Optional	
Loop: N9	Elements: 1

User Option (Usage): Used

Purpose: To provide a free-form format that allows the transmission of text 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>
MSG01	933	Free-Form Message Text	M	AN	1/264	Must use

Description: Free-form message text

Record Name: Notes Position 11

Example: Note text

User Note 1: *Seagate allows 80 characters for MSG01.*

Syntax Rules:

1. C0302 - If MSG03 is present, then MSG02 is required.

Semantics:

1. MSG03 is the number of lines to advance before printing.

Comments:

1. MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.
2. If MSG02 is "AA - Advance the specified number of lines before print" then MSG03 is required.

User Note 1:

Sample Data: *MSG*PO Note goes here~*

Loop CTT

Pos: 010	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

User Option (Usage): Used

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

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	CTT	Transaction Totals	O	1		Used

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

User Option (Usage): Used

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	N0	1/6	Must use

Description: Total number of line items in the transaction set

CTT02	347	Hash Total	O	R	1/10	Used
-------	-----	-------------------	---	---	------	------

Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element. Example: -.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

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.

User Note 1:

Sample Data: CTT*1~

SE Transaction Set Trailer

Pos: 030	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	Number of Included Segments	M	N0	1/10	Must use
Description: Total number of segments included in a transaction set including ST and SE segments						
SE02	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						

Comments:

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

User Note 1:

Example Data: SE*19*24786~

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	Number of Transaction Sets Included	M	N0	1/6	Must use
Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element						
GE02	28	Group Control Number	M	N0	1/9	Must use
Description: 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.

User Note 1:

Sample Data: GE*1*9071~

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	Number of Included Functional Groups	M	N0	1/5	Must use
Description: A count of the number of functional groups included in an interchange						
IEA02	I12	Interchange Control Number	M	N0	9/9	Must use
Description: A control number assigned by the interchange sender						

User Note 1:

Sample Data: IEA*1*000008102~

Sample file:

```

ISA*00*          *00*12*XXXXXXXXXXXXX *01*098533326
*100107*07353*U*00400*000008102*o*P*|~
GS*PO*XXXXXXXXXX*098533326*100107*0735*9071*X*004010~
ST*860*24786~
BCH*04*CP*4568921**2*20100114~
CUR*BY*USD~
TAX*OR-55331*1~
FOB*CC*DE*PartnerHUB~
ITD*01*3*1**5**30*****Net30~
TD5*B****See Routing Guide~
N9*ZZ*Instructions~
MSG*PO note goes here~
N1*ST*Company Name*92*BLT~
N3*745 Broadripple*Suite 412~
N4*Indianapolis*IN*54672*US~
PER*BD*David Williams*TE*460-234-5212~
POC*0001*800*EA*160**BP*ST3146356SS*VP*4587321*UP*763649000939~
PID*F****2TB INTERNAL KIT5900.11 SATA INT5900RPM 32MG~
SCH*7*EA***002*100215~
N9*ZZ*NOTE~
MSG*PO Note goes here~
CTT*1~
SE*19*24786~
GE*1*9071~
IEA*1*000008102~

```