

850 Purchase Order

X12/V4010/850: 850 Purchase Order

Version: 1.0

Company: Publication:

Notes:

Flexport 8/16/2019

850

Purchase Order

Functional Group=PO

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	М	1			Must use
	GS	Functional Group Header	М	1			Must use
Heading	j:						
Pos	<u>ld</u>	Segment Name	Req	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	М	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
040	CUR	Currency	0	1			Used
080	FOB	F.O.B. Related Instructions	0	>1			Used
150	DTM	Date/Time Reference	0	10			Used
240	TD5	Carrier Details	0	12			Used
LOOP II	D - N9				<u>1000</u>		
295	N9	Reference Identification	0	1			Used
300	MSG	Message Text	0	1000			Used
LOOP II	D - N1				200		
310	N1	Name	0	1			Used

Detail:

<u>Pos</u>	<u>ld</u>	Segment Name	Req	Max Use	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP	ID - PO1				<u>100000</u>	N2/010L	
010	PO1	Baseline Item Data	М	1		N2/010	Must use
LOOP	ID - PID				1000		
050	PID	Product/Item Description	0	1			Used

Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Notes</u>	<u>Usage</u>
LOOP I	D - CTT				<u>1</u>	N3/010L	
010	CTT	Transaction Totals	0	1		N3/010	Used
030	SE	Transaction Set Trailer	M	1			Must use
<u>Pos</u>	<u>ld</u> GE IEA	<u>Segment Name</u> Functional Group Trailer Interchange Control Trailer	Req M M	<u>Max Use</u> 1 1	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u> Must use Must use

Notes:

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:

Licilicit	Guiiiiii	uiy.							
<u>Ref</u> ISA01	<u>Id</u> I01	Element Na Authorization	<u>me</u> on Information Qualifier	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use		
		-	: Code to identify the type of n the Authorization Information						
		<u>Code</u> 00	No Authorization Information F	Present	(No Mea	ningful Informa	ation in 102)		
ISA02	102	Authorization	on Information	М	AN	10/10	Must use		
		additional id the interchar interchange;	: Information used for entification or authorization of nge sender or the data in the the type of information is set orization Information Qualifier						
ISA03	103	Security Inf	ormation Qualifier	М	ID	2/2	Must use		
		-	Description: Code to identify the type of Information in the Security Information						
		<u>Code</u> 00	No Security Information Prese	nt (No l	Meaningf	ul Information	in 104)		
ISA04	104	Security Inf	ormation	М	AN	10/10	Must use		
	 		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	105	Interchange	e ID Qualifier	М	ID	2/2	Must use		
		system/meth designate th	Description: Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified						
		<u>Code</u> ZZ	<u>Name</u> Mutually Defined						
ISA06	106	Interchange	Sender ID	М	AN	15/15	Must use		
	Description by the send the receive sender alw sender ID 6		: Identification code published er for other parties to use as ID to route data to them; the ys codes this value in the ement XPORTEDI						
ISA07	105	Interchange	e ID Qualifier	М	ID	2/2	Must use		
		system/meth	: Qualifier to designate the nod of code structure used to e sender or receiver ID						

		element beir	ng qualified				
ISA08	107	Interchange	Receiver ID	М	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					
ISA09	108	Interchange	e Date	М	DT	6/6	Must use
		Description	: Date of the interchange				
ISA10	109	Interchange	Time	M	TM	4/4	Must use
		Description	: Time of the interchange				
ISA11	I10	Interchange	Control Standards Identifier	M	ID	1/1	Must use
		responsible by the mess interchange	: Code to identify the agency for the control standard used age that is enclosed by the header and trailer				
		<u>Code</u> U	Name U.S. EDI Community of ASC X	12, TDC	CC, and U	CS	
ISA12	l11	Interchange	Control Version Number	M	ID	5/5	Must use
			: Code specifying the version ne interchange control				
		<u>Code</u> 00401	Name Draft Standards for Trial Use A Procedures Review Board thro				X12
ISA13	l12	Interchange	Control Number	М	N0	9/9	Must use
			: A control number assigned hange sender				
ISA14	l13	Acknowled	gment Requested	M	ID	1/1	Must use
			: Code sent by the sender to nterchange acknowledgment				
		Code 0 1	No Acknowledgment Requeste Interchange Acknowledgment		ted		
ISA15	l14	Usage Indic	eator	M	ID	1/1	Must use
		data enclose	: Code to indicate whether ed by this interchange test, production or information				
		<u>Code</u> Р Т	Name Production Data Test Data				
ISA16	l15	Component	Element Separator	М		1/1	Must use
		separator is element; this used to sepa	: The component element a delimiter and not a data s field provides the delimiter arate component data thin a composite data structure				

Functional Group Header GS

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:

	Julilli	ary.					
Ref GS01	<u>ld</u> 479	Element Na Functional	<u>ame</u> Identifier Code	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
			n: Code identifying a group of related transaction sets				
		<u>Code</u> PO	<u>Name</u> Purchase Order (850)				
GS02	142	Application	n Sender's Code	М	AN	2/15	Must use
		sending tra trading part	escription: Code identifying party ending transmission; codes agreed to by ading partners lotes: FLEXPORTEDI				
GS03	124 Application Receiver's Code		Receiver's Code	М	AN	2/15	Must use
			n: Code identifying party ansmission; codes agreed to by ners				
GS04	373	Date		М	DT	8/8	Must use
		Description CCYYMMD	1: Date expressed as D				
GS05	337	Time		М	TM	4/8	Must use
		clock time a HHMMSS, HHMMSSD = minutes ((00-59) and decimal sec	n: Time expressed in 24-hour is follows: HHMM, or or HHMMSSD, or D, where H = hours (00-23), M 00-59), S = integer seconds DD = decimal seconds; conds are expressed as follows: 0-9) and DD = hundredths				
GS06	28	Group Con	trol Number	М	N0	1/9	Must use
		-	n: Assigned number originated ned by the sender				
GS07	455	Responsib	le Agency Code	М	ID	1/2	Must use
		the standar	n: Code identifying the issuer of d; this code is used in with Data Element 480				
		<u>Code</u> X	Name Accredited Standards Commit	tee X12			
GS08	480	Version / R Code	elease / Industry Identifier	М	AN	1/12	Must use
		release, sul	n: Code indicating the version, orelease, and industry identifier tandard being used including				

of the EDI standard being used, including the GS and GE segments; if code in

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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

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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.

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> ST01	<u>ld</u> 143		Element Name Transaction Set Identifier Code		Type ID	Min/Max 3/3	<u>Usage</u> Must use
		Description: Code uniquely identifying a Transaction Set					
		<u>Code</u> 850	<u>Name</u> Purchase Order				
ST02	329	Transaction	n Set Control Number	М	AN	4/9	Must use
		that must be set functiona	a: Identifying control number unique within the transaction al group assigned by the r 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).

Example:

ST*850*000104660~

BEG Beginning Segment for Purchase Order

Pos: 020 Max: 1 Heading - Mandatory Loop: N/A Elements: 5

User Option (Usage): Must use

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

Element Summary:

Ref BEG01	<u>ld</u> 353	Element Na Transaction	<u>me</u> n Set Purpose Code	Req M	Type ID	<u>Min/Max</u> 2/2	<u>Usage</u> Must use
		Description transaction s	: Code identifying purpose of set				
		Code 00 01 04 05	Name Original Cancellation Change (Flexport will replace Replace	original	PO with t	the change PO)	
BEG02	92	Purchase C	order Type Code	М	ID	2/2	Must use
		Description: Code specifying the type of Purchase Order					
		<u>Code</u> CP NE	Name Change to Purchase Order New Order				
BEG03	324	Purchase C	order Number	М	AN	1/22	Must use
			i: Identifying number for rder assigned by the haser				
BEG04	328	Release Nu	mber	0	AN	1/30	Not used
		against a Pu	: Number identifying a release irchase Order previously e parties involved in the				
BEG05	373	Date		М	DT	8/8	Must use
		Description CCYYMMDI	: Date expressed as O				

Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

Example:

BEG*00*NE*708861**20190812~

CUR Currency

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

User Option (Usage): Used

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

Element Summary:

<u>Ref</u> CUR01	<u>ld</u> 98	Element N Entity Ide	<u>Req</u> M	Type ID	Min/Max 2/3	<u>Usage</u> Must use	
		Description: Code identifying an organizational entity, a physical location, property or an individual					
		<u>Code</u> BY	<u>Name</u> Buying Party (Purchaser)				
CUR02	100	Currency	Code	М	ID	3/3	Must use

Currency Code M ID 3/3 Me Description: Code (Standard ISO) for

country in whose currency the charges are

specified

Syntax Rules:

Example:		
CUR*BY*USD~		

F.O.B. Related Instructions **FOB**

Pos: 080 Max: >1 **Heading - Optional** Loop: N/A Elements: 7

User Option (Usage): Used **Purpose:** To specify transportation instructions relating to shipment

Element Summary:

Ref FOB01	<u>ld</u> 146	Element Na Shipment N	<u>me</u> lethod of Payment	Req M	Type ID	Min/Max 2/2	<u>Usage</u> Must use
		_	: Code identifying payment nsportation charges				
		<u>Code</u> CC PP	Name Collect Prepaid (by Seller)				
FOB02	DB02 309 Location Qualifier		Х	ID	1/2	Used	
		Description location	: Code identifying type of				
		<u>Code</u> OR	Name Origin (Shipping Point)				
FOB03	352	Description	1	0	AN	1/80	Not used
		_	: A free-form description to lated data elements and their				
		Notes: Use 3 char loc code, IATA Port, UNLOC Code or valid port name. One standard must be used and applied to all PO's that are transmitted.					
FOB04	334	Transporta	tion Terms Qualifier Code	0	ID	2/2	Used
		Description: Code identifying the source of the transportation terms					
		<u>Code</u> 01	<u>Name</u> Incoterms				
FOB05	335	Transporta	tion Terms Code	Χ	ID	3/3	Used
		terms which	: Code identifying the trade apply to the shipment on responsibility				
		Code CFR CIF CIP CPT DAP DAT DDP EXW FAS FOB	Name Cost and Freight Cost, Insurance, and Freight Carriage and Insurance Paid Carriage Paid To Delivered at Place Delivered at Terminal Delivered Duty Paid Ex Works Free Alongside Ship Free on Board				
FOB06	309	Location Q	ualifier	X	ID	1/2	Used

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Description: Code identifying type of

location

<u>Code</u> <u>Name</u>

DE Destination (Shipping)

FOB07 352 **Description** O AN 1/80 Used

Description: A free-form description to clarify the related data elements and their

content

Notes: Use 3 char loc code, IATA Port, UNLOC Code or valid port name. One standard must be used and applied to all PO's that are transmitted.

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.

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.

Example:

FOB*CC*OR*TWKHH*01*DAP*DE*SNJ~

DTM Date/Time Reference

Pos: 150 Max: 10 Heading - Optional Loop: N/A Elements: 3

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u> DTM01	<u>ld</u> 374	Element Na Date/Time		Req M	Type ID	Min/Max 3/3	<u>Usage</u> Must use
		Description: Code specifying type of date or time, or both date and time Notes: 038 "Ship no Later" is used as "Cargo Ready Date"					
		<u>Code</u> 002 038	Name Delivery Requested Ship No Later				
DTM02	373	Date Description CCYYMMD	ո։ Date expressed as D	X	DT	8/8	Must use
DTM03	337	clock time a HHMMSS, o HHMMSSD = minutes (0 (00-59) and decimal sec	n: Time expressed in 24-hour us follows: HHMM, or or HHMMSSD, or D, where H = hours (00-23), M (00-59), S = integer seconds DD = decimal seconds; conds are expressed as follows: 0-9) and DD = hundredths	X	ТМ	4/8	Must use

Syntax Rules:

1. R020305 - At least one of DTM02 or DTM03 are required

(00-99)

Example:

DTM*038*20191005~ DTM*002*20191210~

TD5 Carrier Details (Routing Sequence/Transit Time)

Pos: 240 Max: 12 Heading - Optional Loop: N/A Elements: 4

User Option (Usage): Used

Purpose: To specify the carrier and sequence of routing and provide transit time information

Element Summary:

Ref TD501	<u>ld</u> 133	Element Na Routing Se	<u>ime</u> quence Code	Req O	Type ID	Min/Max 1/2	<u>Usage</u> Used
		•	i: Code describing the of a carrier to a specific ovement				
		Code O	Name Origin Carrier (Air, Motor, or C	ocean)			
TD502	66	6 Identification	on Code Qualifier	Χ	ID	1/2	Not used
			e: Code designating the nod of code structure used for n Code (67)				
TD503	67	Identification Code		Χ	AN	2/80	Not used
		Description other code	: Code identifying a party or				
TD504	91	Transporta	tion Method/Type Code	Χ	ID	1/2	Used
		Description: Code specifying the method or type of transportation for the shipment					
		Code A M R S	Name Air Motor (Common Carrier) Rail Ocean				

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.

Example:

TD5*O***S~

Loop Reference Identification

Pos: 295 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>ld</u>	Segment Name	<u>Req</u>	Max Use	<u>Repeat</u>	<u>Usage</u>
295	N9	Reference Identification	0	1		Used
300	MSG	Message Text	0	1000		Used

Reference Identification N9

Note: Shipping Instructions

Pos: 295 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> N901	<u>ld</u> 128	Element Name Reference Identification Qualifier	<u>Req</u> M	Type ID	Min/Max 2/3	<u>Usage</u> Must use
		Description: Code qualifying the Reference Identification				
		CodeNameZZMutually 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	า			

Syntax Rules:

1. R0203 - N902 is required.

Example:

N9*ZZ*SHIPPING INSTRUCTIONS~

MSG Message Text

Pos: 300 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:

RefIdElement NameReqTypeMin/MaxUsageMSG01933Free-Form Message TextMAN1/264Must use

Description: Free-form message text

Syntax Rules:

Example:

MSG*PLEASE SHIP BY WEEK OF 9/29 THRU 10/5~

Loop Name

Pos: 310 Repeat: 200

Optional

Loop: N1 Elements: N/A

User Option (Usage): Used **Purpose:** To identify a party by type of organization, name, and code

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	<u>Repeat</u>	<u>Usage</u>
310	N1	Name	0	1		Used

N1 Name

Pos: 310 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> N101	<u>ld</u> 98	Element Na Entity Ident	ifier Code	Req M	Type ID	<u>Min/Max</u> 2/3	<u>Usage</u> Must use
			n: Code identifying an nal entity, a physical location, nan individual				
		<u>Code</u> ST VN	Name Ship To Vendor				
		SF	Ship From				
N102	93	Name		Χ	AN	1/60	Used
		Description	: Free-form name				
N103	66	Identification	on Code Qualifier	Χ	ID	1/2	Must use
		Description: Code designating the system/method of code structure used for Identification Code (67)					
		Notes: See	notes below segment.				
		Code 1	Name D-U-N-S Number, Dun & Brad	dstreet			
		9	D-U-N-S+4, D-U-N-S Number			cter Suffix	
		US ZZ	Unique Supplier Identification Mutually Defined	Numbe	r		
N104	67	Identification	on Code	Χ	AN	2/80	Must use
		other code Notes: Iden	: Code identifying a party or tification codes must represent on code and destination es.				

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.

Notes:

When N101 = "SF" then N103 is "ZZ" and N104 is "origin_location_ref"
When N101 = "ST" then N103 is "ZZ" and N104 is "destination_location_ref"

Example:

N1*ST*DISTRIBUTING COMPANY*9*0154585215317~ N1*VN*VENDOR1*US*21199~

Loop Baseline Item Data

Repeat: 100000 Pos: 010

Mandatory

Loop: PO1 Elements: N/A

User Option (Usage): Must use **Purpose:** To specify basic and most frequently used line item data

Loop Summary:

<u>Pos</u>	<u>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Usage</u>
010	PO1	Baseline Item Data	M	1		Must use
050		Loop PID	0		1000	Used

Baseline Item Data PO1

Pos: 010 Max: 1 **Detail - Mandatory** Loop: PO1 Elements: 9

User Option (Usage): Must use **Purpose:** To specify basic and most frequently used line item data

Element Summary:

<u>Ref</u> PO101	<u>ld</u> 350	Element Nar Assigned Id		Req O	<u>Type</u> AN	Min/Max 1/20	<u>Usage</u> Used
			: Alphanumeric characters differentiation within a et				
PO102	330	Quantity Ord	dered	Χ	R	1/15	Must use
		Description	: Quantity ordered				
PO103	355	Unit or Basi	s for Measurement Code	0	ID	2/2	Must use
		which a value	: Code specifying the units in e is being expressed, or nich a measurement has been				
		<u>Code</u> EA	<u>Name</u> Each				
PO104	212	Unit Price		Χ	R	1/17	Not used
		Description: service, com	: Price per unit of product, modity, etc.				
PO105	639	Basis of Uni	t Price Code	0	ID	2/2	Not used
		Description: unit price for	: Code identifying the type of an item				
PO106	235	Product/Ser	vice ID Qualifier	Χ	ID	2/2	Must use
		type/source of	: Code identifying the of the descriptive number used ervice ID (234)				
		<u>Code</u> BP	<u>Name</u> Buyer's Part Number				
PO107	234	Product/Ser	vice ID	Χ	AN	1/48	Must use
		Description: product or se	: Identifying number for a ervice				
PO108	235	Product/Ser	vice ID Qualifier	Χ	ID	2/2	Used
		type/source of	: Code identifying the of the descriptive number used ervice ID (234)				
		Code VP	Name Vendor's (Seller's) Part Number	r			
PO109	234	Product/Ser	vice ID	Χ	AN	1/48	Used
		Description: product or se	: Identifying number for a ervice				

Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.

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- 2. C0504 If PO105 is present, then PO104 is required.
- 3. P0607 If either PO106 or PO107 is present, then the other is required.
- 4. P0809 If either PO108 or PO109 is present, then the other is required.

Example:

PO1*1*630*EA***BP*QG20009-HDV*VP*AJ-QG20009~

Loop Product/Item Description

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>ld</u>	Segment Name	<u>Req</u>	Max Use	Repeat	<u>Usage</u>
050	PID	Product/Item Description	0	1		Used

PID Product/Item Description

Pos: 050 Max: 1 Detail - Optional Loop: PID Elements: 5

User Option (Usage): Used

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

Element Summary:

<u>Ref</u> PID01	<u>ld</u> 349	Element Na Item Descri		Req M	Type ID	Min/Max 1/1	<u>Usage</u> Must use
		Description a description	: Code indicating the format of า				
		<u>Code</u> F	<u>Name</u> Free-form				
PID02	750	Product/Pro	ocess Characteristic Code	0	ID	2/3	Not used
		-	: Code identifying the general oduct or process characteristic				
PID03	559	Agency Qu	alifier Code	Χ	ID	2/2	Not used
		•	: Code identifying the agency e code values				
PID04	751	Product De	scription Code	Χ	AN	1/12	Not used
		•	: A code from an industry code ovides specific data about a racteristic				
PID05	352	Description	ı	Χ	AN	1/80	Used
		-	: A free-form description to lated data elements and their				

Syntax Rules:

- 1. C0403 If PID04 is present, then PID03 is required.
- 2. R0405 At least one of PID04 or 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.

Example:

PID*F**** PRODUCT1~

Loop Transaction Totals

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>ld</u>	Segment Name	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	CTT	Transaction Totals	0	1		Used

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> CTT01	<u>ld</u> 354	Element Name Number of Line Items	Req M	Type N0	Min/Max 1/6	<u>Usage</u> Must use
		Description: Total number of line items in the transaction set				
CTT02	347	Hash Total	0	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.				

Syntax Rules:

Example:

CTT*10*11500~

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> SE01	<u>ld</u> 96	Element Name Number of Included Segments	<u>Req</u> M	Type N0	Min/Max 1/10	<u>Usage</u> Must use
		Description: Total number of segments included in a transaction set including ST and SE segments				
SE02	329	Transaction Set Control Number	М	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				

Example:

SE*43*000104660~

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> GE01	<u>ld</u> 97	Element Name Number of Transaction Sets Included	Req M	Type N0	Min/Max 1/6	<u>Usage</u> 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	М	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.

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:

Ref	<u>ld</u>	Element Name	Req	<u>Type</u>	Min/Max	<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	l12	Interchange Control Number	M	N0	9/9	Must use
		Description: A control number assigned by the interchange sender				

DATA FILE EXAMPLE: NEW PO

ST*850*000104660~

BEG*00*NE*708861**20190812~

CUR*BY*USD~

FOB*CC*OR*TWKHH*01*DAP*DE*SNJ~

DTM*038*20191005~

DTM*002*20191210~

TD5*O***S~

N9*ZZ*SHIPPING INSTRUCTIONS~

MSG*PLEASE SHIP BY WEEK OF 9/29 THRU 10/5~

MSG*IMPORT VENDOR-SHIP OCEAN FREIGHT ASAP CONFIRM ~

N1*VN*VENDOR1*US*21199~

N1*ST*DISTRIBUTING COMPANY*9*0154585215317~

PO1*1*630*EA*3.94**BP*QG20009-HDV*VP*AJ-QG20009~

PID*F****PRODUCT1~

DTM*038*20191210~

PO1*2*5000*EA*33.69**BP*QG2243CAM-HDV*VP*AJ-QG2243CAM~

PID*F****PRODUCT2~

DTM*038*20191210~

PO1*3*3000*EA***BP*QG2245CAM-HDV*VP*AJ-QG2245CAM~

PID*F****PRODUCT3~

DTM*038*20191210~

PO1*4*1000*EA***BP*QG2247CAM-HDV*VP*AJ-QG3269CAM~

PID*F****PRODUCT4~

DTM*038*20191210~

PO1*5*600*EA***BP*QG2249CAM-HDV*VP*AJ-QG4249CAM~

PID*F**** PRODUCT5~

DTM*038*20191210~

PO1*6*450*EA***BP*QG3269CAM-HDV*VP*AJ-QG4247CAM~

PID*F**** PRODUCT6~

DTM*002*20191210~

PO1*7*350*EA***BP*QG4243CAM-HDV*VP*AJ-QG4243CAM~

PID*F**** PRODUCT7~

DTM*002*20191210~

PO1*8*200*EA***BP*QG4245CAM-HDV*VP*AJ-QG4245CAM~

PID*F**** PRODUCT8~

DTM*002*20191210~

PO1*9*100*EA***BP*QG4247CAM-HDV*VP*AJ-QG2249CAM~

PID*F**** PRODUCT9~

DTM*002*20191210~

PO1*10*170*EA***BP*QG4249CAM-HDV*VP*AJ-QG2247CAM~

PID*F**** PRODUCT10~

DTM*002*20191210~

CTT*10*11500~

SE*43*000104660~

DATA FILE EXAMPLE: REPLACE PO (CHANGE)

ST*850*000104660~

BEG*05*NE*708861**20190812~

CUR*BY*USD~

FOB*CC*OR*TWKHH*01*DAP*DE*SNJ~

DTM*038*20191005~

DTM*002*20191210~

TD5*O***S~

N9*ZZ*SHIPPING INSTRUCTIONS~

MSG*PLEASE SHIP BY WEEK OF 9/29 THRU 10/5~

MSG*IMPORT VENDOR-SHIP OCEAN FREIGHT ASAP CONFIRM~

N1*VN*VENDOR1*US*21199~

N1*ST*DISTRIBUTING COMPANY*9*0154585215317~

PO1*1*630*EA***BP*QG20009-HDV*VP*AJ-QG20009~

PID*F****PRODUCT1~

DTM*038*20191210~

PO1*2*5000*EA***BP*QG2243CAM-HDV*VP*AJ-QG2243CAM~

PID*F****PRODUCT2~

DTM*038*20191210~

PO1*3*3000*EA***BP*QG2245CAM-HDV*VP*AJ-QG2245CAM~

PID*F****PRODUCT3~

DTM*038*20191210~

PO1*4*1000*EA***BP*QG2247CAM-HDV*VP*AJ-QG3269CAM~

PID*F****PRODUCT4~

DTM*038*20191210~

PO1*5*600*EA***BP*QG2249CAM-HDV*VP*AJ-QG4249CAM~

PID*F**** PRODUCT5~

DTM*038*20191210~

PO1*6*450*EA***BP*QG3269CAM-HDV*VP*AJ-QG4247CAM~

PID*F**** PRODUCT6~

DTM*002*20191210~

PO1*7*350*EA***BP*QG4243CAM-HDV*VP*AJ-QG4243CAM~

PID*F**** PRODUCT7~

DTM*002*20191210~

PO1*8*200*EA***BP*QG4245CAM-HDV*VP*AJ-QG4245CAM~

PID*F**** PRODUCT8~

DTM*002*20191210~

PO1*9*100*EA***BP*QG4247CAM-HDV*VP*AJ-QG2249CAM~

PID*F**** PRODUCT9~

DTM*002*20191210~

PO1*10*170*EA***BP*QG4249CAM-HDV*VP*AJ-QG2247CAM~

PID*F**** PRODUCT10~

DTM*002*20191210~

CTT*10*11500~

SE*43*000104660~