

# 850 Purchase Order

Functional Group ID=**PO**

## Introduction:

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.

## Notes:

### *ISA Notes:*

#### *Purchase Orders are:*

*"00 - Original" - used for an original PO. An "Original" PO may also be sent when the supplier completely rejects a PO via an 855 PO Acknowledgement (BAK02 = RJ). The PO is considered canceled. The distributor may make changes to the PO and re-send. The changed PO should have a different PO number and be designated "Original".*

*"07 - Duplicate" - used when a supplier requests another copy of a PO. A "Duplicate" PO may also be used to transmit a PO to the supplier's sales representative.*

*An 850 PO may be accepted with changes via the 855 PO Acknowledgements, which may include deleting some item detail lines by changing the quantity ordered to zero.*

*ISA EDI Guideline Data Element Code lists are either "Suggested" or "Limited". A "Suggested" code list implies that through mutual agreement, trading partners may use other X12 codes for that Data Element if they are needed for a particular business function. Unless otherwise noted, all code lists are Suggested Code Lists.*

*A "Limited" code list indicates that the codes are limited to those provided in the ISA EDI Guidelines. If additional codes are needed in a "Limited" code list, please see the ISA eB Guideline for information on the Change Request Process.*

*Restricting the use of codes to those listed in the ISA EDI Guideline will facilitate reliable mapping to a trading partner's business applications.*

**Heading:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
3	010	ST	Transaction Set Header	M	M	1		
4	020	BEG	Beginning Segment for Purchase Order	M	M	1		
5	040	CUR	Currency	O		1		
6	050	REF	Reference Identification	O		>1		
7	060	PER	Administrative Communications Contact	O		3		
9	080	FOB	F.O.B. Related Instructions	O		>1		
11	110	CSH	Sales Requirements	O		>1		
12	130	ITD	Terms of Sale/Deferred Terms of Sale	O		>1		
14	150	DTM	Date/Time Reference	O		10		
16	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O		12		
LOOP ID - N1							200	
18	310	N1	Name	O		1		
20	320	N2	Additional Name Information	O		2		
21	330	N3	Address Information	O		2		
22	340	N4	Geographic Location	O		>1		
23	360	PER	Administrative Communications Contact	O		>1		

**Detail:**

<u>Page No.</u>	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Base Guide</u>	<u>User Status</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID - PO1							100000	
25	010	PO1	Baseline Item Data	M	M	1		n1
LOOP ID - PID							1000	
28	050	PID	Product/Item Description	O		1		
29	210	DTM	Date/Time Reference	O		10		
LOOP ID - N1							200	
31	350	N1	Name	O		1		
32	360	N2	Additional Name Information	O		2		

**Summary:**

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LOOP ID - CTT							1	
33	010	CTT	Transaction Totals	O		1		n2
34	030	SE	Transaction Set Trailer	M	M	1		

**Transaction Set Notes**

1. PO102 is required.
2. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

**Segment:** **ST** Transaction Set Header  
**Position:** 010  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the start of a transaction set and to assign a control number  
**Syntax Notes:**  
**Semantic Notes:** 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

**Comments:**  
**Notes:**

ISA Example: ST \* 850 \* 1^

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 850 Purchase Order	M ID 3/3	M
ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set <i>Each ST Segment within a group of 850 Transactions must have a unique control number. The same number is used in the SE Segment of that transaction.</i> <i>The Transaction Set Control Number is sequentially assigned by the sender, starting with one and incremented by one for each additional transaction set within this function group of 850 Purchase Order transactions.</i>	M AN 4/9	M

**Segment:** **BEG** Beginning Segment for Purchase Order  
**Position:** 020  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

**Syntax Notes:**  
**Semantic Notes:** 1 BEG05 is the date assigned by the purchaser to purchase order.

**Comments:**  
**Notes:**

ISA Example: BEG \* 00 \* SA \* 1234 \* \* 20060813 ^

### Data Element Summary

Ref.	Data Element	Name	Base Attributes	User Attributes
BEG01	353	Transaction Set Purpose Code	M ID 2/2	M
		Code identifying purpose of transaction set		
		<i>BEG01 is a Limited Code List.</i>		
		00 Original		
		07 Duplicate		
		<i>Used to re-send a copy of the PO to the supplier if needed or to send a copy of the PO to a third party such as a sales representative.</i>		
BEG02	92	Purchase Order Type Code	M ID 2/2	M
		Code specifying the type of Purchase Order		
		BK Blanket Order (Quantity Firm)		
		CF Confirmation		
		<i>Used to confirm a faxed, mailed or verbal purchase order. Care should be taken to not duplicate the order.</i>		
		DS Dropship		
		RL Release or Delivery Order		
		An order for goods and services placed against a pre-existing contract or blanket order		
		SA Stand-alone Order		
BEG03	324	Purchase Order Number	M AN 1/22	M
		Identifying number for Purchase Order assigned by the orderer/purchaser		
BEG04	328	Release Number	O AN 1/30	
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction		
		<i>The PO Release Number should be communicated in the BEG04 to make each PO - PO Release a unique number.</i>		
BEG05	373	Date	M DT 8/8	M
		Date expressed as CCYYMMDD		
		<i>Date the PO is issued</i>		
BEG06	367	Contract Number	O AN 1/30	
		Contract number		

**Segment:** **CUR** Currency  
**Position:** 040  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify the currency (dollars, pounds, francs, etc.) used in a transaction  
**Syntax Notes:**

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

**Semantic Notes:**

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

**Notes:**

ISA Example: CUR \* BY \* US^

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CUR01	98	<b>Entity Identifier Code</b>	M ID 2/3	M
		Code identifying an organizational entity, a physical location, property or an individual		
		BY Buying Party (Purchaser)		
		SE Selling Party		
CUR02	100	<b>Currency Code</b>	M ID 3/3	M
		Code (Standard ISO) for country in whose currency the charges are specified		
		<i>Use the three digit alpha codes from ISO Country Code List 3166 (See the ISA eB Guideline).</i>		

**Segment:** **REF** Reference Identification  
**Position:** 050  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying information  
**Syntax Notes:**

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

**Semantic Notes:**

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

**Comments:**  
**Notes:**

ISA Sample: REF \* CO \* 2344 ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
REF01	128	Reference Identification Qualifier	M ID 2/3	M
		Code qualifying the Reference Identification		
		CO Customer Order Number		
		<i>Drop Ship Customer's Order Number</i>		
		IA Internal Vendor Number		
		<i>Distributor's Internal Number for the Supplier.</i>		
REF02	127	Reference Identification	X AN 1/30	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

**Segment:** **PER** Administrative Communications Contact  
**Position:** 060  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 3  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**  
**Notes:**

*This PER Segment is used to convey the contact information for the person who is to receive error or rejection notification relative to the EDI construction (use Qualifier IC) or the general business application (Qualifier CN) of this document. If the same person fills both roles, only list them once with the IC Qualifier. Send, minimally, the telephone number plus either an e-mail address or a fax number.*

*Ship-to and Bill-to contact information appears in the PER Segment in the NI Name and Address Loop at the Header Level.*

ISA Example: PER \* IC \* Mary Smith \* TE \* 262-555-1234 \* EM \* msmith@domain.com ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named CN General Contact IC Information Contact	M ID 2/2	M
PER02	93	<b>Name</b> Free-form name	O AN 1/60	
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile NP Night Telephone TE Telephone	X ID 2/2	
PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80	
PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number CP Cellular Phone EM Electronic Mail EX Telephone Extension FX Facsimile NP Night Telephone TE Telephone	X ID 2/2	

<b>PER06</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable	
<b>PER07</b>	<b>365</b>	<b>Communication Number Qualifier</b>	<b>X ID 2/2</b>
		Code identifying the type of communication number	
		CP	Cellular Phone
		EM	Electronic Mail
		EX	Telephone Extension
		FX	Facsimile
		NP	Night Telephone
		TE	Telephone
<b>PER08</b>	<b>364</b>	<b>Communication Number</b>	<b>X AN 1/80</b>
		Complete communications number including country or area code when applicable	

**Segment:** **FOB** F.O.B. Related Instructions  
**Position:** 080  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify transportation instructions relating to shipment  
**Syntax Notes:**

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

**Semantic Notes:**

- 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.

**Comments:**  
**Notes:**

ISA Example: FOB \* DF \* \* \* 01 \* CFR ^

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
FOB01	146	<b>Shipment Method of Payment</b>	M ID 2/2	M
		Code identifying payment terms for transportation charges		
		BP Paid by Buyer		
		The buyer agrees to the transportation payment term requiring the buyer to pay transportation charges to a specified location (origin or destination location)		
		<i>Use for Third Party Billing.</i>		
		CC Collect		
		CF Collect, Freight Credited Back to Customer		
		DF Defined by Buyer and Seller		
		FO FOB Port of Call		
		NC Service Freight, No Charge		
		PB Customer Pick-up/Backhaul		
		PC Prepaid but Charged to Customer		
		PP Prepaid (by Seller)		
FOB02	309	<b>Location Qualifier</b>	X ID 1/2	
		Code identifying type of location		
		DE Destination (Shipping)		
		FV Free Alongside Vessel (Free On Board [F.O.B.] Point)		
		OR Origin (Shipping Point)		
FOB04	334	<b>Transportation Terms Qualifier Code</b>	O ID 2/2	
		Code identifying the source of the transportation terms		
		01 Incoterms		
FOB05	335	<b>Transportation Terms Code</b>	X ID 3/3	
		Code identifying the trade terms which apply to the shipment transportation responsibility		
		CFR Cost and Freight		
		Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered on board the vessel; these are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment		

CIF	<p>Cost, Insurance, and Freight</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risks of loss and damage and additional costs incurred once goods are delivered onboard the vessel; risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must in addition procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during shipment</p>
CIP	<p>Carriage and Insurance Paid To</p> <p>Seller pays cost and freight to named port of destination; buyer assumes all risk of damage or loss and additional costs incurred once goods are delivered on board the vessel; these risks are assumed by the buyer when the goods pass over the rail of the ship at the port of shipment; seller must procure (i.e. contract and pay for) marine insurance against the buyer's risk of loss or damage during carriage; seller must in addition procure (i.e. contract and pay for) cargo insurance against the buyer's risk of loss or damage to the goods during carriage</p>
CPT	<p>Carriage Paid To</p> <p>Seller pays freight charges named to destination; the risk of loss or damage to the goods, as well as any additional costs due to events occurring after the time the goods have been delivered to other carrier, is transferred from the seller to the buyer when the goods have been delivered into the custody of the carrier</p>
DDP	<p>Delivered Duty Paid</p> <p>Seller bears costs and risks involved in bringing goods to the named place in the country of importation including duties, taxes, and other official charges payable upon import</p>
DDU	<p>Deliver Duty Unpaid</p> <p>Seller bears costs and risks involved in bringing goods to the named place in country of importation exclusive of duties, taxes, or other official charges payable upon import, and the costs and risks of carrying out import formalities</p>
FCA	<p>Free Carrier</p> <p>Seller fulfills his obligation when goods are handed over, cleared for export, and into the charge of the carrier named by the buyer at the named place or location</p>
FOB	<p>Free on Board</p>

**Segment:** **CSH** Sales Requirements  
**Position:** 110  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify general conditions or requirements of the sale  
**Syntax Notes:**

- 1 If CSH02 is present, then CSH03 is required.
- 2 If either CSH06 or CSH07 is present, then the other is required.
- 3 If either CSH09 or CSH10 is present, then the other is required.

**Semantic Notes:**

- 1 CSH03 is the maximum monetary amount value which the order must not exceed.
- 2 CSH04 is the account number to which the purchase amount is charged.
- 3 CSH05 is the date specified by the sender to be shown on the invoice.
- 4 CSH06 identifies the source of the code value in CSH07.

**Comments:**  
**Notes:**

ISA Example: CSH \* SC ^

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
CSH01	563	Sales Requirement Code	O ID 1/2	
		Code to identify a specific requirement or agreement of sale		
		BK	Ship Partial - Balance Back Order	
		IS	Substitute Item Allowed	
		N	No Back Order	
		NS	No Substitutes	
		P2	Ship As Soon As Possible	
		P3	May Preship	
		P4	Do Not Preship	
		SC	Ship Complete	
		SP	Ship Partial, Balance Cancel	
		SW	Ship Per Release or Buyer Authorization	
		Y	Back Order if Out of Stock	

**Segment:** **ITD** Terms of Sale/Deferred Terms of Sale  
**Position:** 130  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify terms of sale  
**Syntax Notes:**

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

**Semantic Notes:**

- 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.

**Notes:**

ISA Example: ITD \* 05 \* \* \* \* \* 60 \* \* \* \* \* NET 60 DAYS ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
ITD01	336	<b>Terms Type Code</b> Code identifying type of payment terms	O ID 2/2	
		01 Basic		
		02 End of Month (EOM)		
		05 Discount Not Applicable		
		08 Basic Discount Offered		
		09 Proximo		
		10 Instant		
		12 10 Days After End of Month (10 EOM)		
		14 Previously agreed upon		
		23 Payment Due Upon Receipt of Invoice		
		31 Cash on Delivery (COD)		
ITD02	333	<b>Terms Basis Date Code</b> Code identifying the beginning of the terms period	O ID 1/2	
		1 Ship Date		
		2 Delivery Date		
		3 Invoice Date		
		4 Specified Date		
ITD03	338	<b>Terms Discount Percent</b> Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date	O R 1/6	
ITD04	370	<b>Terms Discount Due Date</b> Date payment is due if discount is to be earned expressed in format CCYYMMDD	X DT 8/8	
ITD05	351	<b>Terms Discount Days Due</b> Number of days in the terms discount period by which payment is due if terms discount is earned	X N0 1/3	
ITD06	446	<b>Terms Net Due Date</b> Date when total invoice amount becomes due expressed in format CCYYMMDD	O DT 8/8	
ITD07	386	<b>Terms Net Days</b> Number of days until total invoice amount is due (discount not applicable)	O N0 1/3	
ITD08	362	<b>Terms Discount Amount</b> Total amount of terms discount	O N2 1/10	
ITD09	388	<b>Terms Deferred Due Date</b>	O DT 8/8	

		Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD		
<b>ITD10</b>	<b>389</b>	<b>Deferred Amount Due</b>	<b>X</b>	<b>N2 1/10</b>
		Deferred amount due for payment		
<b>ITD11</b>	<b>342</b>	<b>Percent of Invoice Payable</b>	<b>X</b>	<b>R 1/5</b>
		Amount of invoice payable expressed in percent		
<b>ITD12</b>	<b>352</b>	<b>Description</b>	<b>O</b>	<b>AN 1/80</b>
		A free-form description to clarify the related data elements and their content		
<b>ITD13</b>	<b>765</b>	<b>Day of Month</b>	<b>X</b>	<b>N0 1/2</b>
		The numeric value of the day of the month between 1 and the maximum day of the month being referenced		
		<i>Day of month payment is due to gain discount. Used when ITD01=09 (proximo).</i>		
<b>ITD15</b>	<b>954</b>	<b>Percent</b>	<b>O</b>	<b>R 1/10</b>
		Percentage expressed as a decimal		

**Segment:** **DTM** Date/Time Reference  
**Position:** 150  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**  
**Notes:**

ISA Example: DTM \* 074 \* 20060901 ^

**Data Element Summary**

Ref.	Data Element	Name	Base Attributes	User Attributes
DTM01	374	Date/Time Qualifier	M ID 3/3	M
		Code specifying type of date or time, or both date and time		
		001 Cancel After		
		002 Delivery Requested		
		010 Requested Ship		
		017 Estimated Delivery		
		037 Ship Not Before		
		038 Ship No Later		
		063 Do Not Deliver After		
		064 Do Not Deliver Before		
		074 Requested for Delivery (Prior to and Including)		
		084 Requested for Shipment (Prior to and Including)		
		<i>Ship as soon as possible.</i>		
		118 Requested Pick-up		
DTM02	373	Date	X DT 8/8	
		Date expressed as CCYYMMDD		
DTM03	337	Time	X TM 4/8	
		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)		
DTM04	623	Time Code	O ID 2/2	
		Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow		
		AD Alaska Daylight Time		
		AS Alaska Standard Time		
		AT Alaska Time		
		CD Central Daylight Time		
		CS Central Standard Time		
		CT Central Time		
		ED Eastern Daylight Time		
		ES Eastern Standard Time		
		ET Eastern Time		

GM	Greenwich Mean Time
HD	Hawaii-Aleutian Daylight Time
HS	Hawaii-Aleutian Standard Time
HT	Hawaii-Aleutian Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
TD	Atlantic Daylight Time
TS	Atlantic Standard Time
TT	Atlantic Time

**Segment:** **TD5** Carrier Details (Routing Sequence/Transit Time)  
**Position:** 240  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify the carrier and sequence of routing and provide transit time information  
**Syntax Notes:**

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

**Semantic Notes:**

- 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.

**Notes:**

ISA Example: TD5 \* \* \* \* \* EAGLE OCEAN ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
TD502	66	<b>Identification Code Qualifier</b>	X ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		2 Standard Carrier Alpha Code (SCAC)		
		3 Federal Maritime Commission (Ocean) (FMC)		
		4 International Air Transport Association (IATA)		
		91 Assigned by Seller or Seller's Agent		
		92 Assigned by Buyer or Buyer's Agent		
TD503	67	<b>Identification Code</b>	X AN 2/80	
		Code identifying a party or other code		
TD504	91	<b>Transportation Method/Type Code</b>	X ID 1/2	
		Code specifying the method or type of transportation for the shipment		
		A Air		
		AE Air Express		
		D Parcel Post		
		E Expedited Truck		
		H Customer Pickup		
		L Contract Carrier		
		M Motor (Common Carrier)		
		O Containerized Ocean		
		R Rail		
		S Ocean		
		SR Supplier Truck		
		T Best Way (Shippers Option)		
		U Private Parcel Service		
		X Intermodal (Piggyback)		
TD505	387	<b>Routing</b>	X AN 1/35	
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
TD512	284	<b>Service Level Code</b>	X ID 2/2	

Code indicating the level of transportation service or the billing service offered by the transportation carrier

09	Premium Surface
	Indicates that alternate routing instructions should be used instead of the regular ones given
CG	Ground
ND	Next Day Air
	Delivery during business day hours of next business day
PB	Priority Mail
	Can consist of any mail matter (including regular First-Class mail) weighing eleven ounces or less and marked Priority Mail for which the mailer chooses to pay the minimum Priority Mail rate for unguaranteed two-day service among major cities and three-day service everywhere else; First-Class mail weighing more than eleven ounces automatically becomes Priority Mail and must be marked as such
SA	Same Day
SC	Second Day Air
	Delivery during business day hours no later than second business day

**TD513**

**284**

**Service Level Code**

**X ID 2/2**

Code indicating the level of transportation service or the billing service offered by the transportation carrier

DC	Delivery Confirmation
DR	Delivery Confirmation Return
DT	Delivery Notification Only
ET	Proof of Delivery (POD) with Signature

**Segment:** N1 Name  
**Position:** 310  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**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.

**Notes:**  
 ISA Examples:  
 N1 \* BY \* Buying Company ^  
 N1 \* ST \* Ship-to Location \* UL \* 061414155559 ^

#### Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
N101	98	Entity Identifier Code	M ID 2/3	M
		Code identifying an organizational entity, a physical location, property or an individual		
		BT Bill-to-Party		
		<i>Use only when the Bill-to-Party is different than the Ship-To Party. If the BT is not present, the Bill-to party is the same as the ST Ship-to Party.</i>		
		ST Ship To		
		<i>When the BT Bill-to-Party is not present, the Bill-to information is the same as the ST Ship-to.</i>		
		Z7 Mark-for Party		
		The party for whom the needed material is intended		
		<i>Use to convey address information for the Distributor's drop ship customer. The Mark-for Party name may be sent at the detail level if some, but not all, items are for a drop ship customer.</i>		
N102	93	Name	X AN 1/60	
		Free-form name		
N103	66	Identification Code Qualifier	X ID 1/2	
		Code designating the system/method of code structure used for Identification Code (67)		
		1 D-U-N-S Number, Dun & Bradstreet		
		9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix		
		91 Assigned by Seller or Seller's Agent		
		92 Assigned by Buyer or Buyer's Agent		
		UL GS1 Global Location Number		
		A globally unique 13 digit code for the identification of a legal or physical location within the GS1 system.		
		<i>GS1 Global Location Number (GLN). See the ISA eB Guidelines for more information.</i>		

**N104**

**67**

**Identification Code**

**X AN 2/80**

Code identifying a party or other code

**Segment:** **N2** Additional Name Information  
**Position:** 320  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

*N2 is only used if an additional name is needed. Do not repeat the N102.*

ISA Example: N2 \* A Division of Acme General, Inc. ^

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N201	93	Name Free-form name	M AN 1/60	M

**Segment:** **N3** Address Information  
**Position:** 330  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify the location of the named party  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

ISA Example: N3 \* 1234 Main Street ^

**Data Element Summary**

<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N301	166	<b>Address Information</b> Address information	M AN 1/55	M
N302	166	<b>Address Information</b> Address information	O AN 1/55	

**Segment:** **N4 Geographic Location**  
**Position:** 340  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify the geographic place of the named party  
**Syntax Notes:** 1 If N406 is present, then N405 is required.  
**Semantic Notes:**  
**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.  
**Notes:** ISA Example: N4 \* Geneva \* WI \* 55555 ^

#### Data Element Summary

Ref. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
N401	19	City Name Free-form text for city name	O AN 2/30	
N402	156	State or Province Code Code (Standard State/Province) as defined by appropriate government agency	O ID 2/2	
N403	116	Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	O ID 3/15	
N404	26	Country Code Code identifying the country	O ID 2/3	

*Use the three digit alpha codes from ISO Country Code List 3166 (See the ISA eB Guideline).*

**Segment:** **PER Administrative Communications Contact**  
**Position:** 360  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To identify a person or office to whom administrative communications should be directed  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**  
**Notes:**

ISA Example: PER \* DC \* John Smith \* TE \* 555-222-3333 \* EM \* johnsmith@domain.com ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PER01	366	<b>Contact Function Code</b> Code identifying the major duty or responsibility of the person or group named	M ID 2/2	M
		DC Delivery Contact <i>Ship-to contact information.</i>		
		OC Order Contact <i>Bill-to contact information.</i>		
PER02	93	<b>Name</b> Free-form name	O AN 1/60	
PER03	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	X ID 2/2	
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		
		NP Night Telephone		
		TE Telephone		
PER04	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80	
PER05	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	X ID 2/2	
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		
		FX Facsimile		
		NP Night Telephone		
		TE Telephone		
PER06	364	<b>Communication Number</b> Complete communications number including country or area code when applicable	X AN 1/80	
PER07	365	<b>Communication Number Qualifier</b> Code identifying the type of communication number	X ID 2/2	
		CP Cellular Phone		
		EM Electronic Mail		
		EX Telephone Extension		

FX Facsimile  
NP Night Telephone  
TE Telephone

**PER08**

**364**

**Communication Number**

**X AN 1/80**

Complete communications number including country or area code when applicable

**Segment:** **PO1** **Baseline Item Data**  
**Position:** 010  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data  
**Syntax Notes:**

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.
- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

**Semantic Notes:**  
**Comments:**

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 PO101 is the line item identification.
- 3 PO106 through PO125 provide for ten different product/service IDs per each item.  
For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

**Notes:**

*PO106 / 08 / 10 / 12 / 14 / 16 / 18 / 20 are Limited Code Lists. PO106 must contain either the GTIN or the Vendor's Item Number as the primary item identification. PO122 / 24 are Suggested Code Lists.*

ISA Examples: PO1 \* 1 \* 12 \* EA \* 17.69 \* \* UP \* 614141334439 ^

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PO101	350	<b>Assigned Identification</b> Alphanumeric characters assigned for differentiation within a transaction set <i>PO Line Number. ISA recommends this Element be a sequentially assigned line number for this Purchase Order transaction.</i>	O AN 1/20	
PO102	330	<b>Quantity Ordered</b> Quantity ordered	X R 1/15	
PO103	355	<b>Unit or Basis for Measurement Code</b> Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken CA Case EA Each FT Foot GA Gallon KG Kilogram LB Pound LT Liter OZ Ounce - Av RL Roll	O ID 2/2	
PO104	212	<b>Unit Price</b> Price per unit of product, service, commodity, etc.	X R 1/17	

<b>PO106</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		<i>PO106 is a Limited Code List. Send either the GTIN or the Vendor's Item Number. Vendor's Item Number can be sent in PO108 if not sent here. GTIN can only be sent in PO106. This Element is used to establish the primary item identification number for this trade item, and should be used on all business transactions. Be reminded that only GTIN's provide globally unique item identification in the open supply chain.</i>		
		EN	EAN-13 (GTIN-13) <b>EAN-13 (GTIN-13)</b>	
		UK	EAN/UCC-14 (GTIN-14) A 14-digit GTIN starting with 1-9. <b>EAN/UCC-14 (GTIN-14) when the left-most digit is 1 through 9.</b>	
		UP	UCC-12 (GTIN-12) <b>UCC-12 (GTIN-12)</b>	
		VN	Vendor's (Seller's) Item Number	
		VU	Vendor's Basic Unit Number <b>Use for EAN-8 in Version 4010; later versions of EDI use "EO-EAN-8".</b>	
<b>PO107</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO108</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VN	Vendor's (Seller's) Item Number <b>If not used in PO106.</b>	
<b>PO109</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO110</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		BP	Buyer's Part Number	
<b>PO111</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO112</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CB	Buyer's Catalog Number	
<b>PO113</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO114</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		HD	International Harmonized Commodity Code For customs authority purposes, the class and description of a subject part or material item per harmonized agreements on tariff commodity codes	
<b>PO115</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO116</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		UQ	United Nations (UN) Number (Dangerous Goods)	
<b>PO117</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>

		Identifying number for a product or service		
<b>PO118</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		CR Contract Number		
<b>PO119</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO120</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		VI Vary Item Product Number		
		<i>Custom Industrial Supply Made-to-Order Variation Number used with a GTIN-14, Indicator Digit 9. The GTIN-4 is sent in the PO106 with a "UK" qualifier.</i>		
<b>PO121</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO122</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		B8 Batch Number		
		DR Drawing Revision Number		
		EC Engineering Change Level		
		MN Model Number		
		SK Stock Keeping Unit (SKU)		
<b>PO123</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		
<b>PO124</b>	<b>235</b>	<b>Product/Service ID Qualifier</b>	<b>X</b>	<b>ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
		B8 Batch Number		
		DR Drawing Revision Number		
		EC Engineering Change Level		
		MN Model Number		
		SK Stock Keeping Unit (SKU)		
<b>PO125</b>	<b>234</b>	<b>Product/Service ID</b>	<b>X</b>	<b>AN 1/48</b>
		Identifying number for a product or service		

**Segment:** **PID** Product/Item Description

**Position:** 050

**Loop:** PID Optional

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

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

**Syntax Notes:**

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

**Semantic Notes:**

- 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.

**Notes:**

ISA Example: PID \* F \* \* \* \* Product Description ^

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
PID01	349	Item Description Type	M ID 1/1	M
		Code indicating the format of a description		
		F Free-form		
PID05	352	Description	X AN 1/80	
		A free-form description to clarify the related data elements and their content		

**Segment:** **DTM** Date/Time Reference  
**Position:** 210  
**Loop:** PO1 Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 10  
**Purpose:** To specify pertinent dates and times  
**Syntax Notes:**

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

**Semantic Notes:**  
**Comments:**  
**Notes:**

ISA Example: DTM \* 010 \* 20060902 ^

**Data Element Summary**

Ref.	Data Element	Name	Base Attributes	User Attributes
DTM01	374	Date/Time Qualifier	M ID 3/3	M
Code specifying type of date or time, or both date and time				
		001	Cancel After	
		002	Delivery Requested	
		010	Requested Ship	
		037	Ship Not Before	
		038	Ship No Later	
		063	Do Not Deliver After	
		064	Do Not Deliver Before	
		074	Requested for Delivery (Prior to and Including)	
		084	Requested for Shipment (Prior to and Including)	
		118	Requested Pick-up	
DTM02	373	Date	X DT 8/8	
Date expressed as CCYYMMDD				
DTM03	337	Time	X TM 4/8	
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)				
<i>Use the Time Zone of the Shipping Point.</i>				
DTM04	623	Time Code	O ID 2/2	
Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow				
		AD	Alaska Daylight Time	
		AS	Alaska Standard Time	
		AT	Alaska Time	
		CD	Central Daylight Time	
		CS	Central Standard Time	
		CT	Central Time	
		ED	Eastern Daylight Time	
		ES	Eastern Standard Time	
		ET	Eastern Time	

GM	Greenwich Mean Time
HD	Hawaii-Aleutian Daylight Time
HS	Hawaii-Aleutian Standard Time
HT	Hawaii-Aleutian Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
ND	Newfoundland Daylight Time
NS	Newfoundland Standard Time
NT	Newfoundland Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time
TD	Atlantic Daylight Time
TS	Atlantic Standard Time
TT	Atlantic Time

**Segment:** **N1** Name  
**Position:** 350  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code  
**Syntax Notes:** 1 At least one of N102 or N103 is required.  
 2 If either N103 or N104 is present, then the other is required.  
**Semantic Notes:**  
**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.

**Notes:**

ISA Example: N1 \* ST \* Drop Ship Customer Name ^

**Data Element Summary**

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
N101	98	<b>Entity Identifier Code</b> Code identifying an organizational entity, a physical location, property or an individual Z7 Mark-for Party The party for whom the needed material is intended <i>Used to identify the end customer for a line item.</i>	M ID 2/3	M
N102	93	<b>Name</b> Free-form name	X AN 1/60	
N103	66	<b>Identification Code Qualifier</b> Code designating the system/method of code structure used for Identification Code (67) 1 D-U-N-S Number, Dun & Bradstreet 9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix 91 Assigned by Seller or Seller's Agent 92 Assigned by Buyer or Buyer's Agent UL GS1 Global Location Number A globally unique 13 digit code for the identification of a legal or physical location within the GS1 system. <i>GS1 Global Location Number (GLN). See the ISA eB Guidelines for more information.</i>	X ID 1/2	
N104	67	<b>Identification Code</b> Code identifying a party or other code	X AN 2/80	

**Segment:** **N2** Additional Name Information  
**Position:** 360  
**Loop:** N1 Optional  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify additional names or those longer than 35 characters in length  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:**

ISA Example: N2 \* BLDG 10 ^

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
N201	93	Name	M AN 1/60	M

Free-form name

*N2 is only used if an additional name is needed. Do not repeat the N102.*

**Segment:** **CTT** Transaction Totals  
**Position:** 010  
**Loop:** CTT Optional  
**Level:** Summary  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To transmit a hash total for a specific element in the transaction set  
**Syntax Notes:** 1 If either CTT03 or CTT04 is present, then the other is required.  
 2 If either CTT05 or CTT06 is present, then the other is required.  
**Semantic Notes:**  
**Comments:** 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.  
**Notes:** ISA Example: CTT \* 3 ^

**Data Element Summary**

<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Base</u>	<u>User</u>
<u>Des.</u>	<u>Element</u>		<u>Attributes</u>	<u>Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6	M
		Total number of line items in the transaction set		
		<i>Total number of PO1 segments.</i>		

**Segment:** **SE** Transaction Set Trailer  
**Position:** 030  
**Loop:**  
**Level:** Summary  
**Usage:** Mandatory  
**Max Use:** 1  
**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)

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

**Notes:**

ISA Example: SE \* 41 \* 1 ^

#### Data Element Summary

<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Base Attributes</u>	<u>User Attributes</u>
SE01	96	Number of Included Segments	M N0 1/10	M
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	Transaction Set Control Number	M AN 4/9	M
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
		<i>This will match the control number on the ST segment for this transaction set.</i>		