

**CVS/Caremark**

**Implementation Guide**

**850 – Store Purchase Order**

**Version X12-4010**

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# 850

## Purchase Order

### Functional Group=PO

**Purpose:** This X12 Transaction Set 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.

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	ISA	Interchange Control Header	M	1			Must use
	GS	Functional Group Header	M	1			Must use

**Heading:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BEG	Beginning Segment for Purchase Order	M	1			Must use
050	REF	Reference Information	O	>1			Must use
060	PER	Administrative Communications Contact	O	3			Must use
080	FOB	F.O.B. Related Instructions	O	>1			Must use
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1			Must use
150	DTM	Date/Time Reference	O	10			Must use
<b>LOOP ID - AMT</b>					<b>&gt;1</b>		
287	AMT	Monetary Amount Information	O	1			Must use
<b>LOOP ID - N9</b>					<b>1000</b>		
295	N9	Reference Identification	M	1			Must use
300	MSG	Message Text	O	1000			Must use
<b>LOOP ID - N1</b>					<b>200</b>		
310	N1	Party Identification	O	1			Must use
330	N3	Party Location	O	2			Used
340	N4	Geographic Location	O	>1			Used

**Detail:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - PO1</b>					<b>100000</b>	<b>N2/0100L</b>	
010	PO1	Baseline Item Data	M	1		N2/0100	Must use
045	PAM	Period Amount	O	10			Must use
090	PO4	Item Physical Details	O	>1			Must use

**Summary:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
<b>LOOP ID - CTT</b>					<b>1</b>	<b>N3/0100L</b>	
010	CTT	Transaction Totals	O	1		N3/0100	Must use
030	SE	Transaction Set Trailer	M	1			Must use

**Not Defined:**

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
	GE	Functional Group Trailer	M	1			Must use
	IEA	Interchange Control Trailer	M	1			Must use

**Notes:**

2/0100L PO102 is required.

2/0100 PO102 is required.

3/0100L 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.

3/0100 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.

# 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 identifying the type of information in the Authorization Information

**CodeList Summary** (Total Codes: 7, Included: 1)

<u>Code</u>	<u>Name</u>
00	No Authorization Information Present (No Meaningful Information in I02)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA02	I02	Authorization Information	M	AN	10/10	Must use

**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
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**Description:** Code identifying the type of information in the Security Information

**CodeList Summary** (Total Codes: 2, Included: 1)

<u>Code</u>	<u>Name</u>
00	No Security Information Present (No Meaningful Information in I04)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA04	I04	Security Information	M	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	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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**Description:** Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

**CodeList Summary** (Total Codes: 41, Included: 1)

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

ISA07	I05	Interchange ID Qualifier	M	ID	2/2	Must use
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**Description:** Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

**CodeList Summary** (Total Codes: 41, Included: 1)

<u>Code</u>	<u>Name</u>
01	Duns (Dun & Bradstreet)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

ISA09 I08 **Interchange Date** M DT 6/6 Must use

**Description:** Date of the interchange

ISA10 I09 **Interchange Time** M TM 4/4 Must use

**Description:** Time of the interchange

ISA11 I65 **Repetition Separator** M 1/1 Must use

**Description:** Type is not applicable; the repetition separator is a delimiter and not a data element; this field provides the delimiter used to separate repeated occurrences of a simple data element or a composite data structure; this value must be different than the data element separator, component element separator, and the segment terminator

ISA12 I11 **Interchange Control Version Number** M ID 5/5 Must use

**Description:** Code specifying the version number of the interchange control segments

**CodeList Summary** (Total Codes: 20, Included: 1)

<u>Code</u>	<u>Name</u>
00401	Draft Standards for Trial Use Approved for Publication by ASC X12 Procedures Review Board through October 1997

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use

**Description:** A control number assigned by the interchange sender

ISA14 I13 **Acknowledgment Requested** M ID 1/1 Must use

**Description:** Code indicating sender's request for an interchange acknowledgment

**CodeList Summary** (Total Codes: 2, Included: 1)

<u>Code</u>	<u>Name</u>
0	No Interchange Acknowledgment Requested

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA15	I14	<b>Interchange Usage Indicator</b>	M	ID	1/1	Must use

**Description:** Code indicating whether data enclosed by this interchange envelope is test, production or information

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

<u>Code</u>	<u>Name</u>
P	Production Data

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ISA16	I15	<b>Component Element Separator</b>	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

**GS****Functional Group Header**

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

**User Option (Usage):** Must use**Purpose:** To indicate the beginning of a functional group and to provide control information**Element Summary:**

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	<b>Functional Identifier Code</b>	M	ID	2/2	Must use

**Description:** Code identifying a group of application related transaction sets**CodeList Summary** (Total Codes: 260, Included: 1)

<u>Code</u>	<u>Name</u>
PO	Purchase Order (850)

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15	Must use

**Description:** Code identifying party sending transmission; codes agreed to by trading partners

GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15	Must use
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**Description:** Code identifying party receiving transmission; codes agreed to by trading partners

GS04	373	<b>Date</b>	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

GS05	337	<b>Time</b>	M	TM	4/8	Must use
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**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	<b>Group Control Number</b>	M	N0	1/9	Must use
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**Description:** Assigned number originated and maintained by the sender

GS07	455	<b>Responsible Agency Code</b>	M	ID	1/2	Must use
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**Description:** Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480**CodeList Summary** (Total Codes: 2, Included: 1)

<u>Code</u>	<u>Name</u>
X	Accredited Standards Committee X12

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS08	480	<b>Version / Release / Industry Identifier Code</b>	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**CodeList Summary** (Total Codes: 54, Included: 1)

<u>Code</u>	<u>Name</u>
004010	Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

**Semantics:**

- GS04 is the group date.

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

**Comments:**

1. A functional group of related transaction sets, within the scope of X12 standards, consists of a collection of similar transaction sets enclosed by a functional group header and a functional group trailer.



# ST Transaction Set Header

Pos: 0100	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the start of a transaction set and to assign a control number

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

**Description:** Code uniquely identifying a Transaction Set

**CodeList Summary** (Total Codes: 318, Included: 1)

<u>Code</u>	<u>Name</u>
850	Purchase Order

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
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

## Semantics:

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).
2. The implementation convention reference (ST03) is used by the translation routines of the interchange partners to select the appropriate implementation convention to match the transaction set definition. When used, this implementation convention reference takes precedence over the implementation reference specified in the GS08.

# BEG Beginning Segment for Purchase Order

Pos: 0200	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 4

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

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

## 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>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

**Description:** Code identifying purpose of transaction set

**CodeList Summary** (Total Codes: 66, Included: 1)

<u>Code</u>	<u>Name</u>
00	Original

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG02	92	Purchase Order Type Code	M	ID	2/2	Must use

**Description:** Code specifying the type of Purchase Order

**CodeList Summary** (Total Codes: 76, Included: 1)

<u>Code</u>	<u>Name</u>
DS	Dropship

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG03	324	Purchase Order Number	M	AN	1/22	Must use

**Description:** Identifying number for Purchase Order assigned by the orderer/purchaser

BEG05	373	Date	M	DT	8/8	Must use
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**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Semantics:

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

# REF Reference Information

Pos: 0500	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	Must use

**Description:** Code qualifying the Reference Identification

**CodeList Summary** (Total Codes: 1731, Included: 1)

<u>Code</u>	<u>Name</u>
VR	Vendor ID Number

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF02	127	Reference Identification	X	AN	1/50	Must use

**Description:** Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier  
 Value defined by REF01

## Syntax Rules:

1. R0203 - At least one of REF02 or REF03 is required.

## Semantics:

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

# PER Administrative Communications Contact

Pos: 0600	Max: 3
Heading - Optional	
Loop: N/A	Elements: 3

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

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

## 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>
PER01	366	Contact Function Code	M	ID	2/2	Must use

**Description:** Code identifying the major duty or responsibility of the person or group named

**CodeList Summary** (Total Codes: 238, Included: 1)

<u>Code</u>	<u>Name</u>
DC	Delivery Contact

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER03	365	Communication Number Qualifier	X	ID	2/2	Must use

**Description:** Code identifying the type of communication number

**CodeList Summary** (Total Codes: 42, Included: 1)

<u>Code</u>	<u>Name</u>
TE	Telephone

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER04	364	Communication Number	X	AN	1/256	Must use

**Description:** Complete communications number including country or area code when applicable

Store Phone Number

## 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.

# FOB F.O.B. Related Instructions

Pos: 0800	Max: >1
Heading - Optional	
Loop: N/A	Elements: 1

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

**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	Must use

**Description:** Code identifying payment terms for transportation charges

**CodeList Summary** (Total Codes: 31, Included: 1)

<u>Code</u>	<u>Name</u>
PO	Prepaid Only

## 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.

# ITD Terms of Sale/Deferred Terms of Sale

Pos: 1300	Max: >1
Heading - Optional	
Loop: N/A	Elements: 4

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

**Purpose:** To specify terms of sale

## 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>
ITD01	336	Terms Type Code	O	ID	2/2	Must use

**Description:** Code identifying type of payment terms

**CodeList Summary** (Total Codes: 77, Included: 1)

<u>Code</u>	<u>Name</u>
01	Basic

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD02	333	Terms Basis Date Code	O	ID	1/2	Must use

**Description:** Code identifying the beginning of the terms period

**CodeList Summary** (Total Codes: 17, Included: 1)

<u>Code</u>	<u>Name</u>
15	Receipt of Goods

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ITD07	386	Terms Net Days	O	N0	1/3	Must use

**Description:** Number of days until total invoice amount is due (discount not applicable)

ITD10	389	Deferred Amount Due	X	N2	1/10	Must use
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**Description:** Deferred amount due for payment

## 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.

# DTM Date/Time Reference

Pos: 1500	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

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

**Purpose:** To specify pertinent dates and times

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

**CodeList Summary** (Total Codes: 1280, Included: 1)

<u>Code</u>	<u>Name</u>
010	Requested Ship

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM02	373	Date	X	DT	8/8	Must use

**Description:** Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year

## Syntax Rules:

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

# Loop Monetary Amount Information

Pos: 2870	Repeat: >1
Optional	
Loop: AMT	Elements: N/A

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

**Purpose:** To indicate the total monetary amount

## 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>
2870	AMT	Monetary Amount Information	O	1		Must use



# AMT Monetary Amount Information

Pos: 2870	Max: 1
Heading - Optional	
Loop: AMT	Elements: 2

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

**Purpose:** To indicate the total monetary amount

## 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>
AMT01	522	Amount Qualifier Code	M	ID	1/3	Must use

**Description:** Code to qualify amount

**CodeList Summary** (Total Codes: 1765, Included: 1)

<u>Code</u>	<u>Name</u>
BAP	Total Amount Due

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
AMT02	782	Monetary Amount	M	R	1/18	Must use

**Description:** Monetary amount

# Loop Reference Identification

Pos: 2950	Repeat: 1
Mandatory	
Loop: N9	Elements: N/A

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

**Purpose:** To indicate the Reference Identification

## 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>
2950	N9	Reference Identification	M	1		Must use

# N9

## Reference Identification

Pos: 2950	Max: 1
Heading - Optional	
Loop: N9	Elements: 2

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

**Purpose:** To indicate the Reference Identification

### 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

**CodeList Summary** (Total Codes: 1765, Included: 1)

<u>Code</u>	<u>Name</u>
L1	Letters or Notes

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N902	127	Reference Identification	O	AN	1/30	Must use

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

PO COMMENTS

# MSG Message Text

Pos: 3000	Max: 1000
Heading - Optional	
Loop: N9	Elements: 1

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

**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

# Loop Party Identification

Pos: 3100	Repeat: 200
	Optional
Loop: N1	Elements: N/A

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

**Purpose:** To identify a party by type of organization, name, and code

## Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
3100	N1	Party Identification	O	1		Must use
3300	N3	Party Location	O	2		Used
3400	N4	Geographic Location	O	>1		Used

# N1 Party Identification

Pos: 3100	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

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

**Purpose:** To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/3	Must use

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

**CodeList Summary** (Total Codes: 1500, Included: 2)

<u>Code</u>	<u>Name</u>
BT	Bill-to-Party
ST	Ship To

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N103	66	Identification Code Qualifier	X	ID	1/2	Must use

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

**CodeList Summary** (Total Codes: 241, Included: 1)

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

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N104	67	Identification Code	X	AN	2/80	Must use

**Description:** Code identifying a party or other code  
5 character Store Number

## 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.

# N3

## Party Location

Pos: 3300	Max: 2
Heading - Optional	
Loop: N1	Elements: 1

**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

**N4****Geographic Location**

Pos: 3400	Max: >1
Heading - Optional	
Loop: N1	Elements: 3

**User Option (Usage):** Used

**Purpose:** To specify the geographic place 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>
N401	19	<b>City Name</b>	O	AN	2/30	Must use
		<b>Description:</b> Free-form text for city name				
		<u>City Name</u>				
N402	156	<b>State or Province Code</b>	X	ID	2/2	Must use
		<b>Description:</b> Code (Standard State/Province) as defined by appropriate government agency				
		<u>State</u>				
N403	116	<b>Postal Code</b>	O	ID	3/15	Must use
		<b>Description:</b> Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
		<u>Zip Code</u>				

**Syntax Rules:**

1. E0207 - Only one of N402 or N407 may be present.
2. C0605 - If N406 is present, then N405 is required.
3. C0704 - If N407 is present, then N404 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.



# Loop Baseline Item Data

Pos: 0100      Repeat: 100000  
 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>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
0100	PO1	Baseline Item Data	M	1		Must use
0450	PAM	Period Amount	O	10		Must use
0900	PO4	Item Physical Details	O	>1		Must use

# PO1 Baseline Item Data

Pos: 0100	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 7

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

**Purpose:** To specify basic and most frequently used line item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO102	380	Quantity	X	R	1/15	Must use

**Description:** Numeric value of quantity

PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Must use
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 844, Included: 1)

<u>Code</u>	<u>Name</u>
PC	Piece

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO104	212	Unit Price	X	R	1/17	Must use

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

PO106	235	Product/Service ID Qualifier	X	ID	2/2	Must use
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 519, Included: 1)

<u>Code</u>	<u>Name</u>
PI	Purchaser's Item Code

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO107	234	Product/Service ID	X	AN	1/48	Must use

**Description:** Identifying number for a product or service

CVS Item Number

PO108	235	Product/Service ID Qualifier	X	ID	2/2	Must use
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**Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234)

**CodeList Summary** (Total Codes: 519, Included: 1)

<u>Code</u>	<u>Name</u>
UI	U.P.C. Consumer Package Code (1-5-5)
UD	U.P.C/EAN Consumer Package Code (2-5-5)
ND	NDC Number

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO109	234	Product/Service ID	X	AN	1/48	Must use

**Description:** Identifying number for a product or service

Item UPC Number or EAN  
If RX – NDC

## Syntax Rules:

1. C0302 - If PO103 is present, then PO102 is required.
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.
5. P1011 - If either PO110 or PO111 is present, then the other is required.
6. P1213 - If either PO112 or PO113 is present, then the other is required.
7. P1415 - If either PO114 or PO115 is present, then the other is required.
8. P1617 - If either PO116 or PO117 is present, then the other is required.
9. P1819 - If either PO118 or PO119 is present, then the other is required.
10. P2021 - If either PO120 or PO121 is present, then the other is required.
11. P2223 - If either PO122 or PO123 is present, then the other is required.
12. P2425 - If either PO124 or PO125 is present, then the other is required.

**Semantics:**

1. PO102 is quantity ordered.

**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.

# PAM Period Amount

Pos: 0450	Max: 10
Detail - Optional	
Loop: PO1	Elements: 3

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

**Purpose:** To indicate a quantity, and/or amount for an identified period

## 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>
PAM01	673	Quantity Qualifier	X	ID	2/2	Must use

**Description:** Code specifying the type of quantity

**CodeList Summary** (Total Codes: 1123, Included: 1)

<u>Code</u>	<u>Name</u>
01	Discrete Quantity

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PAM02	380	Quantity	X	R	1/15	Must use

**Description:** Numeric value of quantity

PAM03	C001	Composite Unit of Measure	X	Comp		Must use
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**Description:** To identify a composite unit of measure (See Figures Appendix for examples of use)

PAM03-01	355	Unit or Basis for Measurement Code	M	ID	2/2	Must use
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**Description:** Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

**CodeList Summary** (Total Codes: 844, Included: 1)

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

## Syntax Rules:

1. P010203 - If either PAM01, PAM02 or PAM03 are present, then the others are required.
2. R020514 - At least one of PAM02, PAM05 or PAM14 is required.
3. P0405 - If either PAM04 or PAM05 is present, then the other is required.
4. L070809 - If PAM07 is present, then at least one of PAM08 or PAM09 is required.
5. C0706 - If PAM07 is present, then PAM06 is required.
6. C0807 - If PAM08 is present, then PAM07 is required.
7. C0907 - If PAM09 is present, then PAM07 is required.
8. L101112 - If PAM10 is present, then at least one of PAM11 or PAM12 is required.
9. C1007 - If PAM10 is present, then PAM07 is required.
10. C1110 - If PAM11 is present, then PAM10 is required.
11. C1210 - If PAM12 is present, then PAM10 is required.
12. P1314 - If either PAM13 or PAM14 is present, then the other is required.
13. C1505 - If PAM15 is present, then PAM05 is required.

## Semantics:

1. PAM10, PAM11, or PAM12 are used when two dates are required.
2. PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

# PO4 Item Physical Details

Pos: 0900	Max: >1
Detail - Optional	
Loop: PO1	Elements: 1

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO401	356	Pack	O	NO	1/6	Must use

**Description:** The number of inner containers, or number of eaches if there are no inner containers, per outer container

Case Pack

## Syntax Rules:

1. PO203 - If either PO402 or PO403 is present, then the other is required.
2. C0506 - If PO405 is present, then PO406 is required.
3. P0607 - If either PO406 or PO407 is present, then the other is required.
4. P0809 - If either PO408 or PO409 is present, then the other is required.
5. C1013 - If PO410 is present, then PO413 is required.
6. C1113 - If PO411 is present, then PO413 is required.
7. C1213 - If PO412 is present, then PO413 is required.
8. L13101112 - If PO413 is present, then at least one of PO410, PO411 or PO412 is required.
9. C1716 - If PO417 is present, then PO416 is required.
10. C1804 - If PO418 is present, then PO404 is required.

## Semantics:

1. PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
2. PO416 is the package identifier or the beginning package identifier in a range of identifiers.
3. PO417 is the ending package identifier in a range of identifiers.
4. PO418 is the number of packages in this layer.

## Comments:

1. PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the unit of measure of the "Size" identified in the PO402. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
2. PO413 defines the unit of measure for PO410, PO411, and PO412.

# Loop Transaction Totals

Pos: 0100	Repeat: 1
Optional	
Loop: CTT	Elements: N/A

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

**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>
0100	CTT	Transaction Totals	O	1		Must use

# CTT Transaction Totals

Pos: 0100	Max: 1
Summary - Optional	
Loop: CTT	Elements: 2

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

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	<b>Number of Line Items</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of line items in the transaction set				
CTT02	347	<b>Hash Total</b>	O	R	1/10	Must use

**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. 18E2 Fifth occurrence of value being hashed. ----- 1873 Hash Total

## Syntax Rules:

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

## Comments:

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

# SE Transaction Set Trailer

Pos: 0300	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

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

**Purpose:** To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	<b>Number of Included Segments</b>	M	N0	1/10	Must use
		<b>Description:</b> Total number of segments included in a transaction set including ST and SE segments				
SE02	329	<b>Transaction Set Control Number</b>	M	AN	4/9	Must use
		<b>Description:</b> Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set				

## Comments:

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



# GE Functional Group Trailer

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

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

**Purpose:** To indicate the end of a functional group and to provide control information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GE01	97	<b>Number of Transaction Sets Included</b>	M	N0	1/6	Must use
		<b>Description:</b> Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element				
GE02	28	<b>Group Control Number</b>	M	N0	1/9	Must use
		<b>Description:</b> Assigned number originated and maintained by the sender				

## Semantics:

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

## Comments:

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

# IEA Interchange Control Trailer

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

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

**Purpose:** To define the end of an interchange of zero or more functional groups and interchange-related control segments

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
IEA01	I16	<b>Number of Included Functional Groups</b>	M	N0	1/5	Must use
		<b>Description:</b> A count of the number of functional groups included in an interchange				
IEA02	I12	<b>Interchange Control Number</b>	M	N0	9/9	Must use
		<b>Description:</b> A control number assigned by the interchange sender				

**850 – Store Purchase Order Example v4010:**

ISA\*00\*        \*00\*        \*ZZ\*CVS        \*01\*Vendor ID\*090915\*1537\*U\*00401\*000008513\*0\*P^~  
 GS\*PO\*CVS\*Vendor ID\*20090915\*1537\*1342\*X\*004010~  
 ST\*850\*711002~  
 BEG\*00\*DS\*6375220\*\*20090913~  
 REF\*VR\*2A999~  
 PER\*DC\*\*TE\*(623) 933-7233~  
 FOB\*PO~  
 ITD\*01\*3\*\*\*\*\*7\*\*\*100~  
 DTM\*010\*20090913~  
 AMT\*BAP\*5081~  
 N9\*L1\*PO COMMENTS~  
 MSG\*THIS PO SUBJECT TO THE TERMS AND CONDITIONS FOUND ON CVS SUPPLIERS WEBSTE~  
 N1\*ST\*\*92\*09999~  
 N3\*9901B W THUNDERBIRD BLVD~  
 N4\*SUN CITY\*AZ\*85351~  
 N1\*BT\*\*92\*09999~  
 PO1\*\*1\*PC\*63.9\*\*PI\*123456\*UI\*01235648937~  
 PAM\*01\*63\*ZZ~  
 PO4\*30~  
 PO1\*\*2\*PC\*52.94\*\*PI\*124536\*UI\*02235416897~  
 PAM\*01\*105\*ZZ~  
 PO4\*60~  
 PO1\*\*1\*PC\*52.94\*\*PI\*325678\*UI\*02145689730~  
 PAM\*01\*52\*ZZ~  
 PO4\*30~  
 PO1\*\*1\*PC\*55.64\*\*PI\*123567\*UI\*03124589763~  
 PAM\*01\*55\*ZZ~  
 PO4\*60~  
 PO1\*\*1\*PC\*55.64\*\*PI\*13564\*UI\*01235648972~  
 PAM\*01\*55\*ZZ~  
 PO4\*60~  
 PO1\*\*1\*PC\*55.64\*\*PI\*123456\*UI\*02820011234~  
 PAM\*01\*55\*ZZ~  
 PO4\*60~  
 PO1\*\*7\*PC\*55.64\*\*PI\*234567\*UI\*02820001234~  
 PAM\*01\*389\*ZZ~  
 PO4\*60~  
 PO1\*\*1\*PC\*47.04\*\*PI\*231456\*UI\*02040001234~  
 PAM\*01\*47\*ZZ~  
 PO4\*30~  
 PO1\*\*1\*PC\*59.24\*\*PI\*853124\*UI\*026100009637~  
 PAM\*01\*59\*ZZ~  
 PO4\*60~  
 PO1\*\*1\*PC\*49.54\*\*PI\*213546\*UI\*02720002315~  
 PAM\*01\*49\*ZZ~  
 PO4\*30~  
 PO1\*\*7\*PC\*49.54\*\*PI\*123546\*UI\*02720002563~  
 PAM\*01\*346\*ZZ~  
 PO4\*30~  
 PO1\*\*2\*PC\*49.54\*\*PI\*231567\*UI\*02720001253~  
 PAM\*01\*99\*ZZ~  
 PO4\*30~  
 CTT\*51\*93~  
 SE\*167\*711002~  
 GE\*2\*1342~  
 IEA\*1\*000008513~