850 Purchase Order
X12 / V 4060
Includes dropship and messaging

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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:

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

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
0100	ST	Transaction Set Header	M	1			Must use
0200	BEG	Beginning Segment for Purchase Order	M	1			Must use
0400	CUR	Currency	M	1			Must use
LOOP ID - SAC					**25**		
1200	SAC	Service, Promotion, Allowance, or Charge Information	M	1			Must use
1500	DTM	Date/Time Reference	M	10			Must use
LOOP ID - N9					**1000**		
2950	N9	Extended Reference Information	O	1			Used
3000	MTX	Text	O	>1			Used
LOOP ID - N1					**200**		
3100	N1	Party Identification	M	1			Must use
3300	N3	Party Location	M	2			Must use
3400	N4	Geographic Location	M	>1			Must use
3500	REF	Reference Information	M	12			Must use
3600	PER	Administration Communications Contact	O				used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - PO1					**100000**	**N2/0100L**	
0100	PO1	Baseline Item Data	M	1		N2/0100	Must use
LOOP ID - PID					**1000**		
0500	PID	Product/Item Description	M	1			Must use
0900	PO4	Item Physical Details	M	>1			Must use
2890	MTX	Text	O	>1			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - CTT					**1**	**N3/0100L**	
0100	CTT	Transaction Totals	M	1		N3/0100	Must use
0200	AMT	Monetary Amount Information	M	1		N3/0200	Must use

For internal use only

| | 0300 | SE | Transaction Set Trailer | M | 1 | | | Must use |

Not Defined:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
	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.

3/0200 If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	**Authorization Information Qualifier**	M	ID	2/2	Must use

Description: Code identifying the type of information in the Authorization Information

Code	Name
00	No Authorization Information Present (No Meaningful Information in I02)

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

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

Code	Name
00	No Security Information Present (No Meaningful Information in I04)

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

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

Code	Name
ZZ	Mutually Defined

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

Description: Code indicating the system/method of code structure used to designate the sender or receiver ID element being qualified

Code	Name
01	Duns (Dun & Bradstreet)

ISA08	I07	**Interchange Receiver ID**	M	AN	15/15	Must use

Description: Identification code published by the receiver of the data; When sending, it is used by the sender as their sending ID, thus other parties sending to them will use this as a receiving ID to route data to them

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.

<u>CODE NAME</u>
@   At
]   Bracket
^   Carrot
:   Colon
| Pipe

The HD Supply Requirements:
This separator can be any non-alpha-numeric character that is also not used as an element separator, segment terminator or elsewhere in the data. If you need you Repetition Separator added to the list to complete testing, please email HD Supply at FacMaint.edi@hdsupply.com

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

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

| <u>Code</u> | <u>Name</u> |
| 00406 | Standards Approved for Publication by ASC X12 Procedures Review Board through October 2002 |

| ISA13 | I12 | **Interchange Control Number** | 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

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

| ISA15 | I14 | **Interchange Usage Indicator** | M | ID | 1/1 | Must use |

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

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

| ISA16 | I15 | **Component Element Separator** | M | | 1/1 | Must use |

Description: Type is not applicable; the component element separator is a delimiter and not a data element; this field provides the delimiter used to separate component data elements within a composite data structure; this value must be different than the data element separator and the segment terminator

GS   **Functional Group Header**

Pos:	**Max: 1**
Not Defined - Mandatory	
Loop: N/A	**Elements: 8**

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

Element Summary:

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

Description: Code identifying a group of application related transaction sets

Code	Name
PO	Purchase Order (850)

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS03	124	**Application Receiver's Code**	M	AN	2/15	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS04	373	**Date**	M	DT	8/8	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS05	337	**Time**	M	TM	4/8	Must use

Description: Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS06	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS07	455	**Responsible Agency Code**	M	ID	1/2	Must use

Description: Code identifying the issuer of the standard; this code is used in conjunction with Data Element 480

Code	Name
X	Accredited Standards Committee X12

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GS08	480	**Version / Release / Industry Identifier Code**	M	AN	1/12	Must use

Description: Code indicating the version, release, subrelease, and industry identifier of the EDI standard being used, including the GS and GE segments; if code in DE455 in GS segment is X, then in DE 480 positions 1-3 are the version number; positions 4-6 are the release and subrelease, level of the version; and positions 7-12 are the industry or trade association identifiers (optionally assigned by user); if code in DE455 in GS segment is T, then other formats are allowed

Code	Name
004060	Standards Approved for Publication by ASC X12 Procedures Review Board through October 2002

Semantics:

1. GS04 is the group date.
2. GS05 is the group time.

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

Comments:

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

ST   Transaction Set Header

Pos: 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:

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

Description: Code uniquely identifying a Transaction Set

Code	Name
850	Purchase Order

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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: 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	Id	Element Name	Req	Type	Min/Max	Usage
BEG01	353	**Transaction Set Purpose Code**	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set

Code	Name
00	Original
01	Cancellation
22	Information copy

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

Description: Code specifying the type of Purchase Order

Code	Name
NE	New Order
NS	New Store Opening
OS	Special Order
DS	Drop Ship Order

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG05	373	**Date**	M	DT	8/8	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BEG06	367	**Contract Number**	M	AN	1/30	Must use

Description: Contract number

Semantics:

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

CUR   **Currency**

User Option (Usage): Must use
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR01	98	**Entity Identifier Code**	M	ID	2/3	Must use

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

Code	Name
BY	Buying Party (Purchaser)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR02	100	**Currency Code**	M	ID	3/3	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CUR03	100	**Exchange Rate**	O	ID	3/3	Used

100

Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another

Comments:

1. **HD SUPPLY REQUIREMENT:** The CUR03 element is only sent to Canadian partners t Dollars.

Loop SAC

Service, Promotion, Allowance, or Charge Information

Pos: 1200	Repeat: 25
Mandatory	
Loop: SAC	**Elements: N/A**

User Option (Usage): Must Use

Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
1200	SAC	Service, Promotion, Allowance, or Charge Information	M	1		Must Use

SAC   Service, Promotion, Allowance, or Charge Information

Pos: 1200   Max: 1
Heading - Mandatory
Loop: SAC   Elements: 5

User Option (Usage): Must Use
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1	Must use

Description: Code which indicates an allowance or charge for the service specified

Code	Name
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	X	ID	4/4	Must use

Description: Code identifying the service, promotion, allowance, or charge

Code	Name
I170	Trade Discount
E750	New Store Discount
H000	Special Allowance
H400	Other direct Costs
H080	Freight Reduction
C000	Defective Allowance
D200	Freight

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC06	378	**Allowance/Charge Percent Qualifier**	X	ID	1/1	Must use

Description: Code indicating on what basis allowance or charge percent is calculated

Code	Name
3	Discount/Gross

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC07	332	**Percent, Decimal Format**	X	R	1/6	Must use

Description: Percent given in decimal format (e.g., 0.0 through 100.0 represents 0% through 100%)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SAC12	331	**Allowance or Charge Method of Handling Code**	X	ID	2/2	Must use

Description: Code indicating method of handling for an allowance or charge

Code	Name
02	Off Invoice

DTM   **Date/Time Reference**

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

User Option (Usage): Must use
Purpose: To specify pertinent dates and times

Element Summary:

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

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

Code	Name
002	Delivery Requested date

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

For internal use only

Loop Extended Reference Information

Pos: 2950	**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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
2950	N9	Extended Reference Information	O	1		used
3000	MTX	Text	O	1		used

N9 Extended Reference Information

Pos: 2950   **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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N901	128	**Reference Identification Qualifier**	M	ID	2/3	Must Use

Description: Code qualifying the Reference Identification

Code	Name
L1	Letters or Notes

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N903	369	**Free-form Description**	X	AN	1/45	Used

Description: Free-form descriptive text

MTX Text

User Option (Usage): Used
Purpose: To specify textual data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX02	1551	**Textual Data**	M	AN	1/4096	Used

Description: To transmit large volumes of message text

Loop Party Identification

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

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

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
3100	N1	Party Identification	M	1		Must use
3300	N3	Party Location	M	2		Must use
3400	N4	Geographic Location	M	1		Must use
3500	REF	Reference Information	M	12		Must use
3600	PER	Administrative Communications Contact	O	1		Used

N1   Party Identification

<div style="border:1px solid black; display:inline-block;">

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

</div>

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

Element Summary:

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

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

Code	Name
OB	Ordered By
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
92	Assigned by Buyer or Buyer's Agent

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	4/80	Must use

Description: Code identifying a party or other code

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.
Note: In NE Orders the "Ordered By" code is used by HD Supply as the equivalent of the Ship to location.

Note: When the N104 code is "0062" this is a signal that the order is a Drop-Ship Order and that you can expect to see a N1 segments that represents the OB (HD Supply)and the other N1 Segment will be representing the ST (ship-to location).

N3   Party Location

| Pos: 3300   Max: 2 |
| Heading - Mandatory |
| Loop: N1   Elements: 1 |

User Option (Usage): Must use
Purpose: To specify the location of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N301	166	**Address Information**	M	AN	1/55	Must use
		Description: Address information				

N4 Geographic Location

<table>
<tr><td>Pos: 3400</td><td>Max: >1</td></tr>
<tr><td colspan="2">Heading - Mandatory</td></tr>
<tr><td>Loop: N1</td><td>Elements: 4</td></tr>
</table>

User Option (Usage): Must use
Purpose: To specify the geographic place of the named party

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N401	19	**City Name**	M	AN	2/30	Must use
		Description: Free-form text for city name				
N402	156	**State or Province Code**	M	ID	2/2	Must use
		Description: Code (Standard State/Province) as defined by appropriate government agency				
N403	116	**Postal Code**	M	ID	3/15	Must use
		Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States)				
N404	26	**Country Code**	M	ID	2/3	Must use
		Description: Code identifying the country				

Comments:

1. N402 is required only if city name (N401) is in the U.S. or Canada.

REF   Reference Information

Pos: 3500	**Max: 12**
Heading - Mandatory	
Loop: N1	**Elements: 2**

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

Element Summary:

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

Description: Code qualifying the Reference Identification

Code	Name
DP	Department Number
MR	Merchandise Type Code

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Identification**	M	AN	1/50	Must use

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

Comments: REF*MR is also known as your assigned supplier code #.

PER Administration Communications Contact

Pos: 3600	Max: 1
Detail - OPTIONAL	
Loop: N1	Elements:6

User Option (Usage): Used
Purpose: To identify a person or office to whom administrative communications should be directed

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PER01	366	**Contact Function Code**	M	ID	2/2	Must Use

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

Code	Name
NT	Notification Contact

PER02	93	**Name**	O	AN	1/60	Used

Description: Free-form name

PER03	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
TE	Telephone

PER04	364	**Communication Number**	X	AN	1/256	Used

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

PER05	365	**Communication Number Qualifier**	X	ID	2/2	Used

Description: Code identifying the type of communication number

Code	Name
AP	Alternative Telephone

PER06	364	**Communication Number**	X	AN	1/256	Used

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

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	PO1	Baseline Item Data	M	1		Must use
0500		Loop PID	M		1000	Must use
0900	PO4	Item Physical Details	M	>1		Must use
2890	MTX	Text	O	>1		Used

PO1　Baseline Item Data

```
Pos: 0100          Max: 1
     Detail - Mandatory
              Elements:8
Loop: PO1
```

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO101	350	**Assigned Identification**	O	AN	1/20	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO102	380	**Quantity**	M	R	1/15	Must use

Description: Numeric value of quantity

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

Code	Name
EA	Each

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO104	212	**Unit Price**	M	R	1/17	Must use

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO106	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

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

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO107	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO108	235	**Product/Service ID Qualifier**	M	ID	2/2	Must use

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

Code	Name
SK	Stock Keeping Unit (SKU)

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO109	234	**Product/Service ID**	M	AN	1/48	Must use

Description: Identifying number for a product or service

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, Co Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Loop PID
Product/Item Description

Pos: 0500	Repeat: 1000
Mandatory	
Loop: PID	Elements: N/A

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0500	PID	Product/Item Description	M	1		Must use

PID   Product/Item Description

Pos: 0500   Max: 1
Detail - Mandatory
Loop: PID   Elements: 2

User Option (Usage): Must use
Purpose: To describe a product or process in coded or free-form format

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID01	349	**Item Description Type**	M	ID	1/1	Must use

Description: Code indicating the format of a description

Code	Name
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PID05	352	**Description**	X	AN	1/80	Must use

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

PO4 Item Physical Details

Pos: 0900	Max: >1
Detail - Mandatory	
Loop: PO1	Elements: 2

User Option (Usage): Must use
Purpose: To specify the physical qualities, packaging, weights, and dimensions relating to the item

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO402	357	**Size**	M	R	1/8	Must use

    Description: Size of supplier units in pack

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PO403	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

Code	Name
EA	Each

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".

MTX   Text

User Option (Usage): Used
Purpose: To specify textual data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX01	363	**Note Reference Code**	M	ID	3/3	Used

Description: Code identifying the functional area or purpose for which the note applies

Code	Name
ADD	Additional Information

Ref	Id	Element Name	Req	Type	Min/Max	Usage
MTX02	1551	**Textual Data**	X	AN	1/4096	Used

Description: To transmit large volumes of message text

Syntax Rules:

1. C0102 - If MTX01 is present, then MTX02 is required.

Loop Transaction Totals

<div>
Pos: 0100   Repeat: 1
Mandatory
Loop: CTT   Elements: N/A
</div>

User Option (Usage): Must use
Purpose: To transmit a hash total for a specific element in the transaction set

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
0100	CTT	Transaction Totals	M	1		Must use
0200	AMT	Monetary Amount Information	M	1		Must use

CTT   Transaction Totals

Pos: 0100	**Max: 1**
Summary - Mandatory	
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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	**Number of Line Items**	M	N0	1/6	Must use

Description: Total number of line items in the transaction set

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT02	347	**Hash Total**	M	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. --------- 1855 Hash Total

Comments:

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

AMT Monetary Amount Information

Pos: 0200	**Max: 1**
Summary - Mandatory	
Loop: CTT	**Elements: 2**

User Option (Usage): Must use
Purpose: To indicate the total monetary amount

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
AMT01	522	**Amount Qualifier Code**	M	ID	1/3	Must use

Description: Code to qualify amount

Code	Name
TT	Total Transaction Amount

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

Description: Monetary amount
The HD SUPPLY Requirements: *Total Retail amount of the order*.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	96	**Number of Included Segments**	M	N0	1/10	Must use

> **Description:** Total number of segments included in a transaction set including ST and SE segments

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

> **Description:** Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Comments:

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE01	97	**Number of Transaction Sets Included**	M	N0	1/6	Must use

Description: Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element

Ref	Id	Element Name	Req	Type	Min/Max	Usage
GE02	28	**Group Control Number**	M	N0	1/9	Must use

Description: Assigned number originated and maintained by the sender

Semantics:

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

Comments:

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

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	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
IEA02	I12	**Interchange Control Number**	M	N0	9/9	Must use

Description: A control number assigned by the interchange sender