# 850 Purchase Order/Garden Ridge - Trading Partner Specification

**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.

## Heading:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | ISA | Interchange Control Header | M | 1 | | |
| M | 005 | GS | Functional Group Header | M | 1 | | |

## Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| M | 020 | BEG | Beginning Segment for Purchase Order | M | 1 | | |
| | 040 | CUR | Currency | O | 1 | | |
| | 060 | PER | Administrative Communications Contact | O | 3 | | |
| | 080 | FOB | F.O.B. Related Instructions | O | >1 | | |
| | 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | >1 | | |
| | 150 | DTM | Date/Time Reference | O | 10 | | |
| | 150 | DTM | Date/Time Reference | O | 10 | | |
| | 260 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | 5 | | |
| | | | LOOP ID - N9 | | | 1000 | |
| | 295 | N9 | Reference Identification | O | 1 | | |
| | | | LOOP ID - N1 | | | 200 | |
| | 310 | N1 | Name | O | 1 | | |

## Detail:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|---|---|---|---|---|---|---|
| | | | LOOP ID - PO1 | | | 100000 | |
| M | 010 | PO1 | Baseline Item Data | M | 1 | | n1 |
| | | | LOOP ID - CTP | | | >1 | |

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| 040 | CTP | Pricing Information | O | 1 | |
|-----|-----|--------------------|---|---|--|
| | | LOOP ID - PID | | | 1000 |
| 050 | PID | Product/Item Description | O | 1 | |
| 190 | SDQ | Destination Quantity | O | 500 | |

## Summary:

| | Pos. No. | Seg. ID | Name | Req. Des. | Max.Use | Loop Repeat | Notes and Comments |
|---|----------|---------|------|-----------|---------|-------------|--------------------|
| | | | LOOP ID - CTT | | | 1 | |
| | 010 | CTT | Transaction Totals | O | 1 | | n2 |
| | 020 | AMT | Monetary Amount | O | 1 | | n3 |
| M | 030 | SE | Transaction Set Trailer | M | 1 | | |
| M | 085 | GE | Functional Group Trailer | M | 1 | | |
| M | 100 | IEA | Interchange Control Trailer | 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.
3. If AMT is used in the summary area, then AMT01 will = TT and AMT02 will indicate total transaction amount as calculated by the sender.

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|---|---|---|
| **Segment:** | **ISA** Interchange Control Header | |
| **Position:** | 010 | |
| **Loop:** | | |
| **Level:** | Heading | |
| **Usage:** | Mandatory | |
| **Max Use:** | 1 | |
| **Purpose:** | To start and identify an interchange of zero or more functional groups and interchange-related control segments | |
| **Syntax Notes:** | | |
| **Semantic Notes:** | | |
| **Comments:** | | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | ISA01 | I01 | **Authorization Information Qualifier** | M ID 2/2 |

Code to identify the type of information in the Authorization Information

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

| | | | | |
|---|---|---|---|---|
| M | ISA02 | I02 | **Authorization Information** | M AN 10/10 |

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)

| | | | | |
|---|---|---|---|---|
| M | ISA03 | I03 | **Security Information Qualifier** | M ID 2/2 |

Code to identify the type of information in the Security Information

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

| | | | | |
|---|---|---|---|---|
| M | ISA04 | I04 | **Security Information** | M AN 10/10 |

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)

| | | | | |
|---|---|---|---|---|
| M | ISA05 | I05 | **Interchange ID Qualifier** | M ID 2/2 |

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

    12                Phone (Telephone Companies)

| | | | | |
|---|---|---|---|---|
| M | ISA06 | I06 | **Interchange Sender ID** | M AN 15/15 |

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

2815797901T - for testing
2815797901   - for production

| | | | | |
|---|---|---|---|---|
| M | ISA07 | I05 | **Interchange ID Qualifier** | M ID 2/2 |

Qualifier to designate the system/method of code structure used to designate the sender or receiver ID element being qualified

| | | | | |
|---|---|---|---|---|
| M | ISA08 | I07 | **Interchange Receiver ID** | M AN 15/15 |

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

| M | ISA09 | I08 | **Interchange Date** | M | DT 6/6 |

Date of the interchange

| M | ISA10 | I09 | **Interchange Time** | M | TM 4/4 |

Time of the interchange

| M | ISA11 | I10 | **Interchange Control Standards Identifier** | M | ID 1/1 |

Code to identify the agency responsible for the control standard used by the message that is enclosed by the interchange header and trailer
Refer to 004010 Data Element Dictionary for acceptable code values.

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

This version number covers the interchange control segments

00400　　　　　　　Standard Issued as ANSI X12.5-1997

| M | ISA13 | I12 | **Interchange Control Number** | M | N0 9/9 |

A control number assigned by the interchange sender

| M | ISA14 | I13 | **Acknowledgment Requested** | M | ID 1/1 |

Code sent by the sender to request an interchange acknowledgment (TA1)

0　　　　　　　No Acknowledgment Requested

| M | ISA15 | I14 | **Usage Indicator** | M | ID 1/1 |

Code to indicate whether data enclosed by this interchange envelope is test, production or information

P　　　　　　　Production Data
T　　　　　　　Test Data

| M | ISA16 | I15 | **Component Element Separator** | M | AN 1/1 |

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

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|---|---|---|
| **Segment:** | **GS** Functional Group Header | |
| **Position:** | 005 | |
| **Loop:** | | |
| **Level:** | Heading | |
| **Usage:** | Mandatory | |
| **Max Use:** | 1 | |
| **Purpose:** | To indicate the beginning of a functional group and to provide control information | |
| **Syntax Notes:** | | |
| **Semantic Notes:** | **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. |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| **M** | **GS01** | 479 | **Functional Identifier Code** | **M** | **ID 2/2** |
| | | | Code identifying a group of application related transaction sets | | |
| | | | PO           Purchase Order (850) | | |
| **M** | **GS02** | 142 | **Application Sender's Code** | **M** | **AN 2/15** |
| | | | Code identifying party sending transmission; codes agreed to by trading partners | | |
| | | | 2815797901T - for testing | | |
| | | | 2815797901    - for production | | |
| **M** | **GS03** | 124 | **Application Receiver's Code** | **M** | **AN 2/15** |
| | | | Code identifying party receiving transmission; codes agreed to by trading partners | | |
| **M** | **GS04** | 373 | **Date** | **M** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |
| **M** | **GS05** | 337 | **Time** | **M** | **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) | | |
| **M** | **GS06** | 28 | **Group Control Number** | **M** | **N0 1/9** |
| | | | Assigned number originated and maintained by the sender | | |
| **M** | **GS07** | 455 | **Responsible Agency Code** | **M** | **ID 1/2** |
| | | | Code used in conjunction with Data Element 480 to identify the issuer of the standard | | |
| **M** | **GS08** | 480 | **Version / Release / Industry Identifier Code** | **M** | **AN 1/12** |
| | | | 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

   004010         Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997

|  | | | |
|---|---|---|---|
| **Segment:** | **ST** Transaction Set Header | | |
| **Position:** | 010 | | |
| **Loop:** | | | |
| **Level:** | Detail | | |
| **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:** | | | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | ST01 | 143 | **Transaction Set Identifier Code** | M ID 3/3 |
| | | | Code uniquely identifying a Transaction Set | |
| | | | 850      Purchase Order | |
| M | ST02 | 329 | **Transaction Set Control Number** | M AN 4/9 |
| | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |

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|---|---|
| **Segment:** | **BEG** **Beginning Segment for Purchase Order** |
| **Position:** | 020 |
| **Loop:** | |
| **Level:** | Detail |
| **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:** | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | **BEG01** | **353** | **Transaction Set Purpose Code** | **M** | **ID 2/2** |
| | | | Code identifying purpose of transaction set | | |
| | | | 00        Original | | |
| M | **BEG02** | **92** | **Purchase Order Type Code** | **M** | **ID 2/2** |
| | | | Code specifying the type of Purchase Order | | |
| | | | NE        New Order | | |
| M | **BEG03** | **324** | **Purchase Order Number** | **M** | **AN 1/22** |
| | | | Identifying number for Purchase Order assigned by the orderer/purchaser | | |
| M | **BEG05** | **373** | **Date** | **M** | **DT 8/8** |
| | | | Date expressed as CCYYMMDD | | |
| | | | Purchase Order Date | | |

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|---|---|---|
| **Segment:** | **CUR** Currency | |
| **Position:** | 040 | |
| **Loop:** | | |
| **Level:** | Detail | |
| **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. |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | CUR01 | 98 | **Entity Identifier Code** | M | ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual | | |
| | | | CY　　　　　Country | | |
| M | CUR02 | 100 | **Currency Code** | M | ID 3/3 |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | | |
| | | | 'USD' | | |

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|---|---|
| **Segment:** | **PER** Administrative Communications Contact |
| **Position:** | 060 |
| **Loop:** | |
| **Level:** | Detail |
| **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:** | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | | Attributes |
|---|---|---|---|---|---|
| M | PER01 | 366 | **Contact Function Code** | M | ID 2/2 |
| | | | Code identifying the major duty or responsibility of the person or group named | | |
| | | | BD Buyer Name or Department | | |
| | PER02 | 93 | **Name** | O | AN 1/60 |
| | | | Free-form name | | |
| | | | Buyer Name | | |
| | PER09 | 443 | **Contact Inquiry Reference** | O | AN 1/20 |
| | | | Additional reference number or description to clarify a contact number | | |
| | | | Buyer Code | | |

| | | | |
|---|---|---|---|
| **Segment:** | **FOB** F.O.B. Related Instructions | | |
| **Position:** | 080 | | |
| **Loop:** | | | |
| **Level:** | Detail | | |
| **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:** | | | |

## Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | FOB01 | 146 | **Shipment Method of Payment** | **M   ID 2/2** |
| | | | Code identifying payment terms for transportation charges | |
| | | | CC | Collect |
| | | | PB | Customer Pick-up/Backhaul |
| | | | PD | Prepaid by Processor |
| | | | | Identifies the processor as the party responsible for transportation charges for the shipment |
| | FOB02 | 309 | **Location Qualifier** | **X   ID 1/2** |
| | | | Code identifying type of location | |
| | | | DE | Destination (Shipping) |
| | FOB03 | 352 | **Description** | **O   AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | |
| | FOB06 | 309 | **Location Qualifier** | **X   ID 1/2** |
| | | | Code identifying type of location | |
| | | | FV | Free Alongside Vessel (Free On Board [F.O.B.] Point) |
| | FOB07 | 352 | **Description** | **O   AN 1/80** |
| | | | A free-form description to clarify the related data elements and their content | |

| **Segment:** | **ITD** Terms of Sale/Deferred Terms of Sale |
|---|---|
| **Position:** | 130 |
| **Loop:** | |
| **Level:** | Detail |
| **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. |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **ITD03** | 338 | **Terms Discount Percent** | O R 1/6 |
| | | Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | |
| **ITD05** | 351 | **Terms Discount Days Due** | X N0 1/3 |
| | | Number of days in the terms discount period by which payment is due if terms discount is earned | |
| **ITD07** | 386 | **Terms Net Days** | O N0 1/3 |
| | | Number of days until total invoice amount is due (discount not applicable) | |

| | | | | |
|---|---|---|---|---|
| **Segment:** | **DTM** Date/Time Reference | | | |
| **Position:** | 150 | | | |
| **Loop:** | | | | |
| **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:** | | | | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | DTM01 | 374 | **Date/Time Qualifier** | M ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | |
| | | | 001      Cancel After | |
| | DTM02 | 373 | **Date** | X DT 8/8 |
| | | | Date expressed as CCYYMMDD | |

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| | | | |
|---|---|---|---|
| **Segment:** | **DTM** Date/Time Reference | | |
| **Position:** | 150 | | |
| **Loop:** | | | |
| **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:** | | | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | DTM01 | 374 | **Date/Time Qualifier** | M ID 3/3 |
| | | | Code specifying type of date or time, or both date and time | |
| | | | 038      Ship No Later | |
| | DTM02 | 373 | **Date** | X DT 8/8 |
| | | | Date expressed as CCYYMMDD | |

| | | |
|---|---|---|
| **Segment:** | **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both) | |
| **Position:** | 260 | |
| **Loop:** | | |
| **Level:** | Detail | |
| **Usage:** | Optional | |
| **Max Use:** | 5 | |
| **Purpose:** | To specify transportation special handling requirements, or hazardous materials information, or both | |
| **Syntax Notes:** | 1 | At least one of TD401 TD402 or TD404 is required. |
| | 2 | If TD402 is present, then TD403 is required. |
| **Semantic Notes:** | 1 | TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product. |
| **Comments:** | | |

## Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| TD404 | 352 | Description | X   AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |

| | | | | | |
|---|---|---|---|---|---|
| **Segment:** | **N9** Reference Identification | | | | |
| **Position:** | 295 | | | | |
| **Loop:** | N9 Optional | | | | |
| **Level:** | Detail | | | | |
| **Usage:** | Optional | | | | |
| **Max Use:** | 1 | | | | |
| **Purpose:** | To transmit identifying information as specified by the Reference Identification Qualifier | | | | |

**Syntax Notes:**
1. At least one of N902 or N903 is required.
2. If N906 is present, then N905 is required.
3. If either C04003 or C04004 is present, then the other is required.
4. If either C04005 or C04006 is present, then the other is required.

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

**Comments:**

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | N901 | 128 | **Reference Identification Qualifier** | M | ID 2/3 |
| | | | Code qualifying the Reference Identification | | |
| | | | ZZ        Mutually Defined | | |
| | N903 | 369 | **Free-form Description** | X | AN 1/45 |
| | | | Free-form descriptive text | | |
| | | | Special Instructions | | |

| | | |
|---|---|---|
| **Segment:** | **N1** Name | |
| **Position:** | 310 | |
| **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. |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | N101 | 98 | **Entity Identifier Code** | M | **ID 2/3** |
| | | | Code identifying an organizational entity, a physical location, property or an individual | | |
| | | | VN          Vendor | | |
| | N102 | 93 | **Name** | X | **AN 1/60** |
| | | | Free-form name | | |
| | | | Vendor Name | | |
| | N103 | 66 | **Identification Code Qualifier** | X | **ID 1/2** |
| | | | Code designating the system/method of code structure used for Identification Code (67) | | |
| | | | ZZ          Mutually Defined | | |
| | N104 | 67 | **Identification Code** | X | **AN 2/80** |
| | | | Code identifying a party or other code | | |
| | | | Vendor Number | | |

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|---|---|---|
| **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.

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|
| PO101 | 350 | **Assigned Identification** | O | AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | | |
| | | Line number | | |
| PO102 | 330 | **Quantity Ordered** | X | R 1/15 |
| | | Quantity ordered | | |
| PO103 | 355 | **Unit or Basis for Measurement Code** | O | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | EA          Each | | |
| PO104 | 212 | **Unit Price** | X | R 1/17 |
| | | Price per unit of product, service, commodity, etc. | | |
| PO105 | 639 | **Basis of Unit Price Code** | O | ID 2/2 |
| | | Code identifying the type of unit price for an item | | |
| | | PE          Price per Each | | |
| PO106 | 235 | **Product/Service ID Qualifier** | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) | | |
| | | UA          U.P.C./EAN Case Code (2-5-5) | | |

| | | | | |
|---|---|---|---|---|
| **PO107** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

UPC code

| | | | | |
|---|---|---|---|---|
| **PO108** | **235** | **Product/Service ID Qualifier** | **X** | **ID 2/2** |

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

VN Vendor's (Seller's) Item Number

| | | | | |
|---|---|---|---|---|
| **PO109** | **234** | **Product/Service ID** | **X** | **AN 1/48** |

Identifying number for a product or service

Vendors Item Number

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| | | |
|---|---|---|
| **Segment:** | **CTP** **Pricing Information** | |
| **Position:** | 040 | |
| **Loop:** | CTP | Optional |
| **Level:** | Detail | |
| **Usage:** | Optional | |
| **Max Use:** | 1 | |
| **Purpose:** | To specify pricing information | |
| **Syntax Notes:** | **1** If either CTP04 or CTP05 is present, then the other is required. | |
| | **2** If CTP06 is present, then CTP07 is required. | |
| | **3** If CTP09 is present, then CTP02 is required. | |
| | **4** If CTP10 is present, then CTP02 is required. | |
| | **5** If CTP11 is present, then CTP03 is required. | |
| **Semantic Notes:** | **1** CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given. | |
| | **2** CTP08 is the rebate amount. | |
| **Comments:** | **1** See Figures Appendix for an example detailing the use of CTP03 and CTP04. | |
| | See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07. | |

**Data Element Summary**

| Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|
| **CTP02** | **236** | **Price Identifier Code** | **X** **ID 3/3** |
| | | Code identifying pricing specification | |
| | | RTL          Retail | |
| **CTP03** | **212** | **Unit Price** | **X** **R 1/17** |
| | | Price per unit of product, service, commodity, etc. | |

|              | 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. |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | **PID01** | **349** | **Item Description Type** | **M** | **ID 1/1** |
| | | | 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:** | **SDQ** Destination Quantity | |
| **Position:** | 190 | |
| **Loop:** | PO1 | Mandatory |
| **Level:** | Detail | |
| **Usage:** | Optional | |
| **Max Use:** | 500 | |
| **Purpose:** | To specify destination and quantity detail | |

| | | |
|---|---|---|
| **Syntax Notes:** | 1 | If either SDQ05 or SDQ06 is present, then the other is required. |
| | 2 | If either SDQ07 or SDQ08 is present, then the other is required. |
| | 3 | If either SDQ09 or SDQ10 is present, then the other is required. |
| | 4 | If either SDQ11 or SDQ12 is present, then the other is required. |
| | 5 | If either SDQ13 or SDQ14 is present, then the other is required. |
| | 6 | If either SDQ15 or SDQ16 is present, then the other is required. |
| | 7 | If either SDQ17 or SDQ18 is present, then the other is required. |
| | 8 | If either SDQ19 or SDQ20 is present, then the other is required. |
| | 9 | If either SDQ21 or SDQ22 is present, then the other is required. |
| **Semantic Notes:** | 1 | SDQ23 identifies the area within the location identified in SDQ03, SDQ05, SDQ07, SDQ09, SDQ11, SDQ13, SDQ15, SDQ17, SDQ19, and SDQ21. |
| **Comments:** | 1 | SDQ02 is used only if different than previously defined in the transaction set. |
| | 2 | SDQ03 is the store number. |
| | 3 | SDQ23 may be used to identify areas within a store, e.g., front room, back room, selling outpost, end aisle display, etc. The value is agreed to by trading partners or industry conventions. |

### Data Element Summary

| | Ref.<br>Des. | Data<br>Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | SDQ01 | 355 | **Unit or Basis for Measurement Code** | M | **ID 2/2** |
| | | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | | EA          Each | | |
| M | SDQ03 | 67 | **Identification Code** | M | **AN 2/80** |
| | | | Code identifying a party or other code | | |
| | | | Store Number | | |
| M | SDQ04 | 380 | **Quantity** | M | **R 1/15** |
| | | | Numeric value of quantity | | |
| | | | Store Quantity | | |
| | SDQ05 | 67 | **Identification Code** | X | **AN 2/80** |
| | | | Code identifying a party or other code | | |
| | | | Store Number | | |
| | SDQ06 | 380 | **Quantity** | X | **R 1/15** |
| | | | Numeric value of quantity | | |
| | | | Store Quantity | | |
| | SDQ07 | 67 | **Identification Code** | X | **AN 2/80** |
| | | | Code identifying a party or other code | | |
| | | | Store Number | | |
| | SDQ08 | 380 | **Quantity** | X | **R 1/15** |

| | | | | |
|---|---|---|---|---|
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ09** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ10** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ11** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ12** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ13** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ14** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ15** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ16** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ17** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ18** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ19** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ20** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |
| **SDQ21** | **67** | **Identification Code** | **X** | **AN 2/80** |
| | | Code identifying a party or other code | | |
| | | Store Number | | |
| **SDQ22** | **380** | **Quantity** | **X** | **R 1/15** |
| | | Numeric value of quantity | | |
| | | Store Quantity | | |

**SDQ23**      **310**      **Location Identifier**                                **O    AN 1/30**
                  Code which identifies a specific location

| | | |
|---|---|---|
| **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. |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | CTT01 | 354 | **Number of Line Items** | M   N0 1/6 |
| | | | Total number of line items in the transaction set | |

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| | | | |
|---|---|---|---|
| **Segment:** | **AMT** Monetary Amount | | |
| **Position:** | 020 | | |
| **Loop:** | CTT Optional | | |
| **Level:** | Summary | | |
| **Usage:** | Optional | | |
| **Max Use:** | 1 | | |
| **Purpose:** | To indicate the total monetary amount | | |
| **Syntax Notes:** | | | |
| **Semantic Notes:** | | | |
| **Comments:** | | | |

**Data Element Summary**

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | AMT01 | 522 | **Amount Qualifier Code** | M  ID 1/3 |
| | | | Code to qualify amount | |
| | | | 1          Line Item Total | |
| M | AMT02 | 782 | **Monetary Amount** | M  R 1/18 |
| | | | Monetary amount | |

| | | |
|---|---|---|
| **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. |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | SE01 | 96 | **Number of Included Segments** | M  N0 1/10 |
| | | | Total number of segments included in a transaction set including ST and SE segments | |
| M | SE02 | 329 | **Transaction Set Control Number** | M  AN 4/9 |
| | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |

| | | | |
|---|---|---|---|
| **Segment:** | **GE** Functional Group Trailer | | |
| **Position:** | 085 | | |
| **Loop:** | | | |
| **Level:** | Summary | | |
| **Usage:** | Mandatory | | |
| **Max Use:** | 1 | | |
| **Purpose:** | To indicate the end of a functional group and to provide control information | | |
| **Syntax Notes:** | | | |
| **Semantic Notes:** | 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. | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes |
|---|---|---|---|---|
| M | GE01 | 97 | **Number of Transaction Sets Included** | M N0 1/6 |
| | | | Total number of transaction sets included in the functional group or interchange (transmission) group terminated by the trailer containing this data element | |
| M | GE02 | 28 | **Group Control Number** | M N0 1/9 |
| | | | Assigned number originated and maintained by the sender | |

| | | | | |
|---|---|---|---|---|
| **Segment:** | **IEA** Interchange Control Trailer | | | |
| **Position:** | 100 | | | |
| **Loop:** | | | | |
| **Level:** | Summary | | | |
| **Usage:** | Mandatory | | | |
| **Max Use:** | 1 | | | |
| **Purpose:** | To define the end of an interchange of zero or more functional groups and interchange-related control segments | | | |
| **Syntax Notes:** | | | | |
| **Semantic Notes:** | | | | |
| **Comments:** | | | | |

### Data Element Summary

| | Ref. Des. | Data Element | Name | Attributes | |
|---|---|---|---|---|---|
| M | IEA01 | I16 | **Number of Included Functional Groups** | M | N0 1/5 |
| | | | A count of the number of functional groups included in an interchange | | |
| M | IEA02 | I12 | **Interchange Control Number** | M | N0 9/9 |
| | | | A control number assigned by the interchange sender | | |