

Introduction:

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

Notes:

ARVINMERITOR P.O.'S 850 TRANSACTION SET WILL BE UTILIZED TO COMMUNICATE CONTRACTUAL INFORMATION REGARDING PART AND PRICE

Heading:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|---------------------------------------|------------------|----------------|--------------------|---------------------------|
| 1 | 010 | ST | Transaction Set Header | M | 1 | | |
| 3 | 020 | BEG | Beginning Segment for Purchase Order | M | 1 | | |
| 4 | 040 | CUR | Currency | O | 1 | | |
| 5 | 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | >1 | | |
| LOOP ID - N1 | | | | | | 200 | |
| 6 | 310 | N1 | Name | O | 1 | | |
| 7 | 330 | N3 | Address Information | O | 2 | | |
| 8 | 340 | N4 | Geographic Location | O | >1 | | |
| 9 | 060 | PER | Administrative Communications Contact | O | 3 | | |

Detail:

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|-----------------|-----------------|----------------|--------------------|------------------|----------------|--------------------|---------------------------|
| LOOP ID - PO1 | | | | | | 100000 | |
| 10 | 010 | PO1 | Baseline Item Data | M | 1 | | n1 |
| LOOP ID - SCH | | | | | | 200 | |
| 11 | 295 | SCH | Line Item Schedule | O | 1 | | n2 |

Summary:

| <u>Page No.</u> | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| LOOP ID - CTT | | | | | | 1 | |
| 12 | 010 | CTT | Transaction Totals | O | 1 | | |
| 13 | 030 | SE | Transaction Set Trailer | M | 1 | | |

Transaction Set Notes

1. PO102 is required.
2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

Segment: **ST** Transaction Set Header

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

Data Element Summary

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

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

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | BEG01 | 353 | Transaction Set Purpose Code Code identifying purpose of transaction set <i>00 Original</i> | M ID 2/2 |
| | | | ORIGINAL ISSUE OF P.O. | |
| M | BEG02 | 92 | Purchase Order Type Code Code specifying the type of Purchase Order <i>SA Stand-alone Order</i> | M ID 2/2 |
| M | BEG03 | 324 | Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser | O AN 9/9 |
| | BEG04 | 328 | Release Number Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | O AN 1/30 |
| M | BEG05 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

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

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|---|-------------------|
| M | CUR01 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual | M ID 2/3 |
| | | | <i>BY</i> <i>Buying Party (Purchaser)</i> | |
| M | CUR02 | 100 | Currency Code Code (Standard ISO) for country in whose currency the charges are specified | M ID 3/3 |

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

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

Semantic Notes:

- 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge.

Comments:

- 1 If the code in ITD01 is "04", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|---|-------------------|
| ITD01 | 336 | Terms Type Code Code identifying type of payment terms <i>01 Basic</i> | O ID 2/2 |
| ITD02 | 333 | Terms Basis Date Code Code identifying the beginning of the terms period <i>3 Invoice Date</i> | O ID 1/2 |
| ITD03 | 338 | Terms Discount Percent Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | O R 1/6 |
| ITD05 | 351 | Terms Discount Days Due Number of days in the terms discount period by which payment is due if terms discount is earned | X N0 1/3 |
| ITD07 | 386 | Terms Net Days Number of days until total invoice amount is due (discount not applicable) | O N0 1/3 |

Segment: **N1** Name
Position: 310
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | N101 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual <i>BT</i> <i>Bill-To</i> <i>ST</i> <i>Ship-To</i> <i>SF</i> <i>Ship-From</i> | M ID 2/3 |
| | N102 | 93 | Name Free-form name | X AN 1/60 |
| | N103 | 66 | Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) | X ID 1/2 |
| | N104 | 67 | Identification Code Code identifying a party or other code 'BT' WILL ASSUME 'TROY IO' | X AN 2/80 |

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

Data Element Summary

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

Segment: **N4 Geographic Location**
Position: 340
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

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

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: 3
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes: 1 If either PER03 or PER04 is present, then the other is required.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | PER01 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named <i>BD Buyer Name or Department</i> | M ID 2/2 |
| | PER02 | 93 | Name | O AN 1/60 |
| | PER03 | 365 | Communication Number Qualifier <i>TE</i> | O ID 2/2 |
| | PER04 | 364 | Communication Number <i>Telephone Number</i> | O AN 1/80 |

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.

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|--|-------------------|
| PO101 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O AN 1/20 |
| PO102 | 330 | Quantity Ordered Quantity ordered | X R 1/15 |
| PO103 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken <i>EA Each</i> <i>FT Foot</i> <i>GA Gallon</i> <i>LB Pound</i> | O ID 2/2 |
| PO104 | 212 | Unit Price Price per unit of product, service, commodity, etc. Application Value List: 0. 0.0 0.00 0.000 0.0000 | X R 1/17 |
| PO105 | 639 | Basis of Unit Price Code Code identifying the type of unit price for an item | O ID 2/2 |
| PO106 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) <i>VP Vendor's Part Number</i> | X ID 2/2 |
| PO107 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/25 |
| PO108 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) <i>PD Part Description</i> | X ID 2/2 |
| PO109 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/6 |

Segment: SCH Line Item Schedule
Position: 295
Loop: SCH Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the data for scheduling a specific line-item
Syntax Notes:

- 1 If SCH03 is present, then SCH04 is required.
- 2 If SCH08 is present, then at least one of SCH09 or SCH10 is required.
- 3 If SCH09 is present, then SCH08 is required.
- 4 If SCH10 is present, then SCH08 is required.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | SCH01 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| M | SCH02 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | SCH05 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time | O ID 3/3 |
| M | SCH06 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |

Segment: **CTT** Transaction Totals - remove
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

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|-------------------------------|------------------|---------------------|---|-------------------|
| M | CTT01 | 354 | Number of Line Items Total number of line items in the transaction set | M N0 1/6 |
| REFERS TO PO1 SEGMENTS | | | | |

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

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