Electronic Components Industry Association Guideline

EDI Transaction Set
850 Purchase Order

X12 Version 4010

February 2012

ECIA's EDI Committee has reviewed this transaction set and made modifications that will benefit the electronics industry by simplifying the transaction focusing on industry specific needs.

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850 Purchase Order

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Functional Group ID=PO

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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:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Loop Repeat	Notes and Comments
3	010	ST	Transaction Set Header	M	M	1		
4	020	BEG	Beginning Segment for Purchase Order	M	M	1		
5	040	CUR	Currency	O		1		
6	070	TAX	Tax Reference	O	Rec	>1		
			LOOP ID - N1				200	
7	310	N1	Name	O	Must Use	1		
8	320	N2	Additional Name Information	O		2		
9	330	N3	Address Information	O		2		
10	340	N4	Geographic Location	O		>1		
11	350	REF	Reference Identification	O		12		
12	360	PER	Administrative Communications Contact	O		1		
13	370	FOB	F.O.B. Related Instructions	O		1		
14	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	Rec	12		

Detail:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1				100000	
15	010	PO1	Baseline Item Data	M	M	1		n1
17	100	REF	Reference Identification	O		>1		
			LOOP ID - SCH				200	
18	295	SCH	Line Item Schedule	O	Must Use	1		n2

Summary:

Page No.	Pos. No.	Seg. ID	Name	Base Status	User Status	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - CTT				1	
19	010	CTT	Transaction Totals	O	Must Use	1		n3
20	030	SE	Transaction Set Trailer	M	M	1		

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21	APPENDIX – Sample 850 Transaction

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.
3. 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.

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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

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

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Segment:	**BEG** Beginning Segment for Purchase Order
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates
Syntax Notes:	
Semantic Notes:	**1** BEG05 is the date assigned by the purchaser to purchase order.
Comments:	
Notes:	BEG05 is the date assigned by the purchaser to purchase order.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
BEG01	**353**	**Transaction Set Purpose Code**	**M**	**ID 2/2**	**M**
		Code identifying purpose of transaction set			
		00　　　　　**Original**			
BEG02	**92**	**Purchase Order Type Code**	**M**	**ID 2/2**	**M**
		Code specifying the type of Purchase Order			
		DS　　　　　**Dropship (supplier dropship)**			
		SA　　　　　**Stand-alone Order (Non-supplier dropship)**			
BEG03	**324**	**Purchase Order Number**	**M**	**AN 1/22**	**M**
		Identifying number for Purchase Order assigned by the orderer/purchaser			
BEG05	**373**	**Date**	**M**	**DT 8/8**	**M**
		Date expressed as CCYYMMDD			
BEG06	**367**	**Contract Number**	**O**	**AN 1/30**	
		Contract number			

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

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		
			ZZ **Mutually Defined**		
M	CUR02	100	**Currency Code**	M	ID 3/3
			Code (Standard ISO) for country in whose currency the charges are specified		

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Segment:	**TAX** **Tax Reference**
Position:	070
Loop:	
Level:	Heading
Usage:	Optional (Recommended)
Max Use:	>1
Purpose:	To provide data required for proper notification/determination of applicable taxes applying to the transaction or business described in the transaction
Syntax Notes:	1 At least one of TAX01 or TAX03 is required.
	2 If either TAX02 or TAX03 is present, then the other is required.
	3 If either TAX04 or TAX05 is present, then the other is required.
	4 If either TAX06 or TAX07 is present, then the other is required.
	5 If either TAX08 or TAX09 is present, then the other is required.
	6 If either TAX10 or TAX11 is present, then the other is required.
Semantic Notes:	
Comments:	1 Tax ID number is, in many instances, referred to as a Tax Exemption Number. The paired (combined) use of data elements 309 and 310 provides for the designation of five taxing jurisdictions.
	2 TAX01 is required if tax exemption is being claimed.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
TAX01	**325**	**Tax Identification Number**	**X**	**AN 1/20**	**Rec**
		Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number			
		Tax Resale Number.			
TAX12	**01 or 02**	**Exempt (01) – Non Exempt (02)**			

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Segment:	**N1** Name
Position:	310
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Must Use)
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.
Usage Notes:	Required
Notes:	**Either element N102 or (N103 and N104) must contain an entry.**

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N101	**98**	**Entity Identifier Code**	**M**	**ID 2/3**	**M**
		Code identifying an organizational entity, a physical location, property or an individual			
		A Bill-to address (N1 - N4 segments) are only provided for Supplier Dropship Purchase orders; when the Bill-to address is different than the Ship-to address. If they are the same, only Ship-to address is provided.			
		BT **Bill-to-Party**			
		ST **Ship To**			
N102	**93**	**Name**	**X**	**AN 1/60**	
		Free-form name			
N103	**66**	**Identification Code Qualifier**	**X**	**ID 1/2**	
		Code designating the system/method of code structure used for Identification Code (67)			
		91 **Assigned by Seller or Seller's Agent**			
		92 **Assigned by Buyer or Buyer's Agent**			
N104	**67**	**Identification Code**	**X**	**AN 2/80**	
		Code identifying a party or other code			
		If previous qualifier = "91" **Supplier's code provided.** **If previous qualifier = "92"** **Distributor's code provided.**			

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Segment: N2 Additional Name Information
Position: 320
Loop: N1   Optional (Must Use)
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:
Notes: This segment is only provided when the order is a supplier dropship order

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
N201	93	**Name**	M	AN 1/60	M
		Free-form name			
N202	93	**Name**	O	AN 1/60	
		Free-form name			

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Segment:	**N3** **Address Information**
Position:	330
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional
Max Use:	2
Purpose:	To specify the location of the named party
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	This segment is only provided when the order is a supplier dropship order

Data Element Summary

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

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

Data Element Summary

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

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Segment:	**REF** Reference Identification	
Position:	350	
Loop:	N1 Optional (Must Use)	
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying information	
Syntax Notes:	1	At least one of REF02 or REF03 is required.
	2	If either C04003 or C04004 is present, then the other is required.
	3	If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1	REF04 contains data relating to the value cited in REF02.
Comments:		
Notes:	**This segment provided when Price Quote number or Customer Order number applies for/to the order.**	

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	128	Reference Identification Qualifier	M ID 2/3	M
		Code qualifying the Reference Identification		
		PR **Price Quote Number**		
REF02	127	Reference Identification	X AN 1/30	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Note: Other codes may be used in REF01 (element 128) besides that listed above. But, the codes must be mutually agreed upon before they are   used.

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Segment: **PER** Administrative Communications Contact

Position:	360
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	>1
Purpose:	To identify a person or office to whom administrative communications should be directed
Syntax Notes:	1 If either PER03 or PER04 is present, then the other is required.
	2 If either PER05 or PER06 is present, then the other is required.
	3 If either PER07 or PER08 is present, then the other is required.
Semantic Notes:	
Comments:	
Notes:	Segment only sent if Contact info is available for this address type

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

IC	Information Contact
BD	Buyer Name or Department

	Ref. Des.	Data Element	Name	Attributes	
	PER02	93	**Contact Name**	**X**	**AN 1/60**

Free-form name

	Ref. Des.	Data Element	Name	Attributes	
	PER03	365	**Communication Number Qualifier**	**X**	**ID 2/2**

Code identifying the type of communication number

TE	**Telephone**
EM	**Email**

	Ref. Des.	Data Element	Name	Attributes	
	PER04	364	**Communication Number**	**X**	**AN 1/80**

Complete communications number including country or area code when applicable

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Segment:	**FOB** **F.O.B. Related Instructions**	
Position:	370	
Loop:	N1 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify transportation instructions relating to shipment	
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.
	2	If FOB04 is present, then FOB05 is required.
	3	If FOB07 is present, then FOB06 is required.
	4	If FOB08 is present, then FOB09 is required.
Semantic Notes:	1	FOB01 indicates which party will pay the carrier.
	2	FOB02 is the code specifying transportation responsibility location.
	3	FOB06 is the code specifying the title passage location.
	4	FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:		
Usage Notes:	This segment may be used or omitted	

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
FOB01	**146**	**Shipment Method of Payment**	**M**	**ID 2/2**	**M**
		Code identifying payment terms for transportation charges			
		PC – Prepaid but charge to buyer			
FOB02	**309**	**Location Qualifier**	**X**	**ID 1/2**	
		Code identifying type of location			
		Not used			
FOB03	**352**	**Description**	**O**	**AN 1/80**	
		A free-form description to clarify the related data elements and their content			
		Not used			
FOB04	**334**	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**	
		Code identifying the source of the transportation terms			
		Refer to 004010 Data Element Dictionary for acceptable code values.			
FOB05	**335**	**Transportation Terms Code**	**X**	**ID 3/3**	
		Code identifying the trade terms which apply to the shipment transportation responsibility			
		FOB			
FOB06	**309**	**Location Qualifier**	**X**	**ID 1/2**	
		Code identifying type of location			
		DE –Destination			
		OR – Origin			
		FA - Factory			
FOB07	**352**	**Description**	**O**	**AN 1/80**	
		A free-form description to clarify the related data elements and their content			
		Not used			
FOB08	**54**	**Risk of Loss Code**	**O**	**ID 2/2**	

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Code specifying where responsibility for risk of loss passes

Not used

FOB09	**352**	**Description**	**X**	**AN 1/80**

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

Not used

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Segment:	**TD5** Carrier Details (Routing Sequence/Transit Time)
Position:	390
Loop:	N1 Optional (Must Use)
Level:	Heading
Usage:	Optional (Recommended)
Max Use:	12
Purpose:	To specify the carrier and sequence of routing and provide transit time information
Syntax Notes:	1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
	2 If TD502 is present, then TD503 is required.
	3 If TD507 is present, then TD508 is required.
	4 If TD510 is present, then TD511 is required.
	5 If TD513 is present, then TD512 is required.
	6 If TD514 is present, then TD513 is required.
	7 If TD515 is present, then TD512 is required.
Semantic Notes:	1 TD515 is the country where the service is to be performed.
Comments:	1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
TD501	**133**	**Routing Sequence Code**	**O** **ID 1/2**	
		Code describing the relationship of a carrier to a specific shipment movement		
		O Origin Carrier (Air, Motor, or Ocean)**		
TD502	**66**	**Identification Code Qualifier**	**X** **ID 1/2**	
		Code designating the system/method of code structure used for Identification Code (67)		
		2 **Standard Carrier Abbreviation Code (SCAC)**		
		92 **Assigned by Buyer or Buyer's Agent**		
TD503	**67**	**Identification Code**	**X** **AN 2/80**	
		Code identifying a party or other code		
		Carrier Code		
TD504	**91**	**Air Identification**		
		Code specifying the method or type of transportation for the shipment		
		A **Air Code**		

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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 provides 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	Base Attributes	User Attributes
PO101	350	**Assigned Identification**	O AN 1/20	
		Alphanumeric characters assigned for differentiation within a transaction set		
		Line Item number for Purchase order.		
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**
IN	**Inch**
FT	**Foot**
CM	**Centimeter**
MR	**Meter**

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
PO104	212	**Unit Price**	X R 1/17	
		Price per unit of product, service, commodity, etc.		
		Unit Price with a maximum of five decimal places.		
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**
HP	**Price per Hundred**
TP	**Price per Thousand**

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
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)			
		VP	**Vendor's (Seller's) Part Number**		
PO107	**234**	**Product/Service ID**		**X**	**AN 1/48**
		Identifying number for a product or service			
		Supplier's part number callout. If Supplier and buyer use the same part number callout, only the VP (supplier's part number) is provided.			
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)			
		BP	**Buyer's Part Number**		
PO109	**234**	**Product/Service ID**		**X**	**AN 1/48**
		Identifying number for a product or service			
		Buyer's in-house part number callout for the Supplier's part number.			

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Segment:	**REF** Reference Identification
Position:	100
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	>1
Purpose:	To specify identifying information
Syntax Notes:	1 At least one of REF02 or REF03 is required.
	2 If either C04003 or C04004 is present, then the other is required.
	3 If either C04005 or C04006 is present, then the other is required.
Semantic Notes:	1 REF04 contains data relating to the value cited in REF02.
Comments:	
Notes:	**The detail level REF segment is provided to convey line item specific reference information when applicable.**

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes	User Attributes
REF01	**128**	**Reference Identification Qualifier**	**M ID 2/3**	**M**
		Code qualifying the Reference Identification		

CO	**Customer Order**	
DQ	**Delivery Quote Number**	
GC	**Government Contract Number**	
GP	**Government Priority Number**	
PR	**Price Quote Number**	
ZZ	**Mutually Defined**	

Ref. Des.	Data Element	Name	Base Attributes	
REF02	**127**	**Reference Identification**	**X AN 1/30**	
		Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier		

Note: Other codes may be used in REF01 (element 128) besides those listed above. But, the codes must be mutually agreed upon before they are used.

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Segment:	**SCH** Line Item Schedule
Position:	295
Loop:	SCH Optional (Must Use)
Level:	Detail
Usage:	Optional (Must Use)
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.
Semantic Notes:	1 SCH12 is the schedule identification.
Comments:	1 SCH05 specifies the interpretation to be used for SCH06 and SCH07.
Usage Notes:	Required

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
SCH01	**380**	**Quantity**	**M**	**R 1/15**	**M**
		Numeric value of quantity			
SCH02	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**	**M**
		Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			
		EA **Each**			
		IN **Inch**			
		FT **Foot**			
		CM **Centimeter**			
		MR **Meter**			
SCH05	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**	**M**
		Code specifying type of date or time, or both date and time			
		002 **Delivery Requested**			
		010 **Requested Ship**			
		037 **Ship Not Before**			
SCH06	**373**	**Date**	**M**	**DT 8/8**	**M**
		Date expressed as CCYYMMDD			

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Segment:	**CTT** Transaction Totals
Position:	010
Loop:	CTT Optional (Must Use)
Level:	Summary
Usage:	Optional (Must Use)
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.
Usage Notes:	Required

Data Element Summary

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
CTT01	354	**Number of Line Items**	M	N0 1/6	M

Total number of line items in the transaction set

Total of PO1 segments.

Ref. Des.	Data Element	Name	Base Attributes		User Attributes
CTT02	347	**Hash Total**	O	R 1/10	

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 prior to truncation. 855 Hash total after truncation to three-digit field.

Sum of quantities in field PO102.

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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	Base Attributes	User Attributes
SE01	96	**Number of Included Segments**	**M N0 1/10**	**M**
		Total number of segments included in a transaction set including ST and SE segments		
SE02	329	**Transaction Set Control Number**	**M AN 4/9**	**M**
		Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set		
		The number provided here must match the transaction set control number (ST02) in the transaction set header segment.		

ECIA

APPENDIX

Sample 850 Transaction Set

```
ISA~00~      ~00~      ~01~DISTY   ~ZZ~SUPPLIER     ~060717~1526~U~00401~000005398~0~T~|
GS~PO~DISTY~ SUPPLIER ~20060717~1526~4891~X~004010
ST~850~48910001
BEG~00~DS~P7962206580~~20060717
N1~ST~ABC COMPANY
N2~PO #2640
N3~304 MAPLE ST
N4~ANYTOWN~AZ~867530901~US
N1~BY~AVNET
N1~EN~ABC COMPANY
N2~ACCOUNTS PAYABLE
N3~304  MAPLE ST
N4~ANYTOWN~AZ~867530901~US
PER~IC~CASS~TE~5554111212
PER~IC~CASS~EM~N/A
TD5~O~92~UPG
PO1~1~2~EA~14.25~PE~VP~636121
SCH~2~EA~~~010~20060717
CTT~1~2
AMT~TT~28.5
SE~22~48910001
GE~1~4891
IEA~1~000005398
```