

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.

850 Purchase Order

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:

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		

21	APPENDIX – Sample 850 Transaction
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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.

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. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	Base <u>Attributes</u>	User <u>Attributes</u>
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set	M ID 3/3	M
		850 Purchase Order		
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	M
		Sequence number assigned by sender		

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		

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

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</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
ZZ Mutually Defined				
M	CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are specified	M ID 3/3

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.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
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)		

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.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
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.		

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

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

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

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.

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.	Data	Name	Attributes	
<u>Des.</u>	<u>Element</u>			
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	
	PER02	93	Contact Name	X AN 1/60
			Free-form name	
	PER03	365	Communication Number Qualifier	X ID 2/2
			Code identifying the type of communication number	
		TE	Telephone	
		EM	Email	
	PER04	364	Communication Number	X AN 1/80
			Complete communications number including country or area code when applicable	

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.	Data	Name	Base	User
Des.	Element		Attributes	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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FOB09	352	Code specifying where responsibility for risk of loss passes		
		Not used		
		Description	X	AN 1/80
		A free-form description to clarify the related data elements and their content		
		Not used		

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.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
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	

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 Alphanumeric characters assigned for differentiation within a transaction set Line Item number for Purchase order.	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 EA Each IN Inch FT Foot CM Centimeter MR Meter	O ID 2/2	
PO104	212	Unit Price Price per unit of product, service, commodity, etc. Unit Price with a maximum of five decimal places.	X R 1/17	
PO105	639	Basis of Unit Price Code Code identifying the type of unit price for an item PE Price per Each HP Price per Hundred TP Price per Thousand	O ID 2/2	
PO106	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID	X ID 2/2	

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		(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.		

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				
<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Base</u> <u>Attributes</u>	<u>User</u> <u>Attributes</u>
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	
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.

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.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
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		

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.	Data		Base	User
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>	<u>Attributes</u>
CTT01	354	Number of Line Items	M N0 1/6	M
		Total number of line items in the transaction set		
		Total of PO1 segments.		
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.		

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. <u>Des.</u>	Data <u>Element</u>	<u>Name</u>	Base <u>Attributes</u>	User <u>Attributes</u>
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.		

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