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Trading Partner Information
850 Outbound Implementation Guide
X12 v4010

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Communications Information:

VAN: Sterling Commerce

Test Qualifier / ID: ZZ / 005317524T

Production Qualifier / ID: ZZ / 005317524P

Subelement Separator: > or Hex 6E
Element Separator: | or Hex 4F
Segment Terminator: Hex 15

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ST Transaction Set Header

To indicate the start of a transaction set and to assign a control number.

Max: 1
Heading - Mandatory
Loop: N/A
Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		Description: Code uniquely identifying a transaction set.			
ST02	329	Transaction Set Control Number	M	AN	4/9
		Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set			

EDI Example:

ST␣850␣0001~

BEG Beginning Segment for Purchase Order

To indicate the beginning of the Purchase Order transaction set and transmit identifying numbers and dates.

Max: 1
 Heading - Mandatory
 Loop: N/A Elements 4

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BEG01	353	Transaction Set Purpose Code Description: Code identifying purpose of transaction set. <u>Code</u> <u>Name</u> 00 Original	M	ID	2/2
BEG02	92	Purchase Order Type Code Description: Code specifying the type of Purchase Order. <u>Code</u> <u>Name</u> NE New Order BK Blanket	M	ID	2/2
BEG03	324	Purchase Order Number Description: Identifying number for Purchase Order assigned by the purchaser .	M	AN	1/22
BEG05	373	Date – Purchase Order Description: Date expressed as CCYYMMDD.	M	DT	8/8

EDI Example:

BEG000NE010502OP0020041225~

CUR Currency

To specify the currency used in transaction.

Max: 1
Heading - Mandatory
Loop: N/A
Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CUR01	98	Entity Identifier Code	M	ID	2/3
		Description: Code identifying an organizational entity, a physical location, or an individual.			
		<u>Code</u> <u>Name</u>			
		BY Buying Party (Purchaser)			
CUR02	92	Currency Code	M	ID	3/3
		Description: Code (Standard ISO) for country in whose currency the charges are specified.			
		<u>Code</u> <u>Name</u>			
		USD U.S. Dollars			
		CAD Canadian Dollars			
		TWD Taiwan, Province of China			

EDI Example:

CUR≡BY≡USD ~

REF Reference Identification

To specify identifying information.

Max: 1 Heading - Optional Elements 2
Loop: N/A

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier Description: Code qualifying the Reference Identification. <u>Code</u> <u>Name</u> VR Vendor ID Number	M	ID	2/3
REF02	127	Reference Identification Description: Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier	C	AN	1/30

EDI Example:

REF␣VR␣10837~

PER Administrative Communications Contact

To identify a person or office to whom administrative communications should be directed.

Max: 2 Heading - Optional Elements 2
Loop: N/A

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code Description: Code identifying the major duty or responsibility of the person or group named. <u>Code</u> <u>Name</u> VR Vendor ID Number EB Entered By	M	ID	2/2
PER02	93	Name Description: Free-form name	O	AN	1/60

EDI Example:

PER␣EB␣ENTERED BY~

FOB F.O.B. Related Instructions

To specify transportation instructions relating to shipment.

Max: 1
Heading - Optional
Loop: N/A Elements 1

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
FOB01	146	Shipment Method of Payment	M	ID	2/2
		Description: Code identifying payment terms for transportation charges.			
		<u>Code</u>	<u>Name</u>		
		PP	Prepaid (by Seller)		
		CC	Collect		

EDI Example:

FOB␣PP~

ITD Terms of Sale/Deferred Terms of Sale

To specify the terms used in the sale.

Max: 1
 Heading - Optional
 Loop: N/A Elements 3

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ITD01	336	Terms Type Code Description: Code identifying type of payment terms. <u>Code</u> <u>Name</u> 01 Standard Term	O	ID	2/3
ITD02	333	Terms Basis Date Code Description: Code identifying the beginning of the terms period. <u>Code</u> <u>Name</u> 3 Invoice Date	O	ID	1/2
ITD12	352	Description Description: Free Form Terms Description.	O	R	1/80

EDI Example:

ITD013362% 10 DAYS NET 30~

TD5 Carrier Details (Routing Sequence/Transit Time)

To specify the carrier and sequence of routing and provide transit time information.

Max: 1
Heading - Optional
Loop: N/A
Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
TD504	91	Transportation Method/Type Code	C	ID	1/2
		Description: Code specifying the method or type of transportation for the shipment			
		<u>Code</u>	<u>Name</u>		
		M	Motor Carrier		
TD505	387	Routing	C	AN	1/35
		Description: Free-form description of the routing or requested routing for shipment, or the originating carrier's identity.			

EDI Example:

TD5#####M#KEN BROWN TRUCKING CO.~

N9 Reference Identification

To transmit identifying information as specified by the Reference Identification Qualifier.

Max: 1
Heading - Optional
Loop: N/A
Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N901	128	Reference Identification Qualifier Description: Code qualifying reference identification.	M	ID	2/3
		<u>Code</u> <u>Name</u>			
		LI Letters or Notes			
N902	127	Reference Identification Description: Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.	C	AN	1/30

EDI Example:

N9=LI=SPECIAL INSTRUCTIONS~

MSG Message Text

To provide a free-form format that allows the transmission of text information.

Max: 1
Heading - Optional
Loop: N9
Elements 1

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		Description: Free-form message text.			

EDI Example:

MSG#GENERAL SHIPPING INSTRUCTIONS~

N1 Name

To identify a party by type of organization, name and code.

Max: 1 Heading - Mandatory Loop: N/A Elements 4
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Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>								
N101	98	Entity Identifier code Description: Code identifying an organizational entity, a physical location, property or an individual. <table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>VN</td><td>Vendor</td></tr><tr><td>ST</td><td>Ship To</td></tr><tr><td>BT</td><td>Bill To</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	VN	Vendor	ST	Ship To	BT	Bill To	M	ID	2/3
<u>Code</u>	<u>Name</u>												
VN	Vendor												
ST	Ship To												
BT	Bill To												
N102	93	Name Description: Free-form name.	C	AN	1/60								
N103	66	Identification Code Qualifier Description: Code designating the system/method of code structure used for identification code (67). <table><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>92</td><td>Assigned by Buyer or Buyer's Agent</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	92	Assigned by Buyer or Buyer's Agent	C	ID	1/2				
<u>Code</u>	<u>Name</u>												
92	Assigned by Buyer or Buyer's Agent												
N104	67	Identification Code Description: Code identifying a party or other code.	C	AN	2/80								

EDI Example:

N1∅VN∅VENDOR∅92∅10837~
N1∅ST∅BRASSCRAFT MFG∅92∅0300~
N1∅BT∅BRASSCRAFT MFG~

N3 Address Information

To specify the location of the named party.

Max: 1 Heading - Mandatory Loop: N1 Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N301	166	Address Information Description: Address Information.	M	AN	1/55
N302	166	Address Information Description: Address Information.	O	AN	1/55

EDI Example:

N3#1024 RANDOLPH STREET#~

N4 Geographic Location

To specify the geographic place of the named party.

Max: 1 Heading - Mandatory Loop: N1 Elements 4

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>						
N401	19	City Name Description: Free-form text for city name.	O	AN	2/30						
N402	156	State or Province Code Description: Code (Standard State/Province) as defined by appropriate government agency.	O	ID	2/2						
N403	116	Postal Code Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States).	O	ID	3/15						
N404	026	Country Code Description: Code defining the Country. <table border="1"><thead><tr><th><u>Code</u></th><th><u>Name</u></th></tr></thead><tbody><tr><td>US</td><td>United States</td></tr><tr><td>CA</td><td>Canada</td></tr></tbody></table>	<u>Code</u>	<u>Name</u>	US	United States	CA	Canada	O	ID	2/3
<u>Code</u>	<u>Name</u>										
US	United States										
CA	Canada										

EDI Example:

N4␣THOMASVILLE␣NC␣27360␣US~

PO1 Baseline Item Data

To specify basic and most frequently used line item data.

Max: 1
Detail - Mandatory
Loop: N/A Elements 11

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PO101	350	Assigned Identification Description: Alphanumeric characters assigned for differentiation within a transaction set.	O	AN	1/20
PO102	330	Quantity Ordered Description: Quantity Ordered .	C	R	1/15
PO103	355	Unit or Basis for Measurement Code Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken.	O	ID	2/2
PO104	212	Unit Price Description: Price per unit of product, service, commodity, etc.	C	R	1/17
PO105	639	Basis of Unit Price Code Description: Code identifying the type of unit price for an item.	O	ID	2/2
PO106	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID(234). <u>Code</u> <u>Name</u> BP Buyer's Part Number	C	ID	2/2
PO107	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/48
PO108	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID(234). <u>Code</u> <u>Name</u> DR Drawing Revision Number	C	ID	2/2
PO109	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/48
PO110	235	Product/Service ID Qualifier Description: Code identifying the type/source of the descriptive number used in Product/Service ID(234). <u>Code</u> <u>Name</u> VP Vendor's (Seller's) Part Number	C	ID	2/2
PO111	234	Product/Service ID Description: Identifying number for a product or service.	C	AN	1/48

EDI Example:

PO1#1#100#EA#1.25#PE#BP#466780#DR#REV C#VP#OCR19 C~

PID Product/Item Description

To describe a product or process in coded or free-form format.

Max: 1 Detail - Mandatory Loop: PO1 Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PID01	349	Item Description Type Description: Code indicating the format of a description.	M	ID	1/1
		<u>Code</u> <u>Name</u>			
		F Free-form			
PID05	352	Description Description: A free-form description to clarify the related data elements and their content.	C	AN	1/80

EDI Example:

PID␣F␣␣␣BRASS VALVE~

DTM Date/Time Reference

To specify pertinent dates and times.

Max: 1
Detail - Mandatory
Loop: PO1 Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3
		Description: Code specifying type of date or time, or both date and time.			
		<u>Code</u> <u>Name</u>			
		01 Delivery Requested			
DTM02	373	Date	C	DT	8/8
		Description: Date expressed as CCYYMMDD.			

EDI Example:

DTM#002#20041225~

MSG Message Text

To provide a free-form format that allows the transmission of text information.

Max: 1 Detail - Optional Elements 1
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Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
MSG01	933	Free-Form Message Text	M	AN	1/264
		Description: Free-form message text.			

EDI Example:

MSG=ITEM INSTRUCTIONS~

CTT Transaction Totals

To transmit a hash total for a specific element in the transaction set.

Max: 1
Summary - Mandatory
Loop: N/A Elements 1

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6
Description: Total number of line items in the transaction set.					

EDI Example:

CTTα7~

SE Transaction Set Trailer

To indicate the end of the transaction set and provide the count of the transmitted segments (including the ST and SE segments).

Max: 1
Summary - Mandatory
Loop: N/A Elements 2

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments Description: Total number of segments included in a transaction set, including ST and SE segments.	M	N0	1/10
SE02	329	Transaction Set Control Number Description: 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

EDI Example:

SE␣29␣0001~

EXAMPLE

ST#850#0001~
BEG#00#NE#10502OP##20041225~
CUR#BY#USD ~
REF#VR#10837 ~
PER#EB#ENTERED BY~
FOB#PP~
ITD#01#3#####2% 10 DAYS NET 30~
TD5#####M#KEN BROWN TRUCKING CO.~
N9#LI#SPECIAL INSTRUCTIONS~
MSG#GENERAL SHIPPING INSTRUCTIONS~
N1#VN#VENDOR#92#10837~
N1#ST#BRASSCRAFT MFG#92#0300~
N3#1024 RANDOLPH STREET#~
N4#THOMASVILLE#NC#27360#US~
N1#BT#BRASSCRAFT MFG~
N3#1024 RANDOLPH STREET#~
N4#THOMASVILLE#NC#27360#US~
PO1#1#100#EA#1.25#PE#BP#466780#DR#REV C#VP#OCR19 C~
PID#F#####BRASS VALVE~
DTM#002#20041225~
MSG#ITEM INSTRUCTIONS~
CTT#18~
SE#27#0001~