ECTF EDIPro Standard
Provided for Use by the Truck Parts Aftermarket

EDI 850 Purchase Order (ASC X12 Version 4 Release 1)

This document contains an outline of common business issues for consideration when implementing the EDI 850 Purchase Order for ASC X12 Version 4010. It is the intent of this document to act as an addendum to the ASC X12 EDI Standards documentation.

850 Purchase Order

Included in this document:

This section contains business discussions about the use of 850 Purchase Order. These discussions will assist in determining application changes and business process changes that may be necessary within a company.

Customer Quote/Contract Numbers

To support special price considerations the EDI partnership may require that special customer quote numbers, specific contract numbers, or numbers associated with particular promotions be communicated on the purchase order document. It is suggested that the REF segment be used to identify this information

It should be noted that the REF segment may be included at the header portion of the transaction (thereby applying to the entire order), or at the line item level of the order (applying to the specified line).

Use of Text Fields

Both the MAN and the MTX segments promote the inclusion of text data. When using these segments it is recommended that they be restricted to free form text and that any other use for specific data which could be mapped, be discouraged.

It should be noted that the use of text data in EDI transactions should be limited to those specific agreements between trading partners. Anytime text data is passed within a transaction, the receiving partner may have to queue the transaction into an exception process for review. In this case, the transaction cannot be automatically processed.

Identification of Business Location

The DUNS + 4 number is composed of the DUNS number assigned by Dun & Bradstreet, plus (+) a 4 digit suffix number assigned by the buying organization to identify a unique location (store location, plant location, loading dock, department, etc.)

The DUNS + 4 should be used as the primary and preferred method of identifying business locations. Organizations not using the "+ 4" suffix of the DUNS number should insert four zeros in its place.

Service, Promotion, Allowance, or Charge Information

The Allowance/Charge Indicator (SAC01) rather than the sign of the amount field, should be used to identify a charge or an allowance.

Units of Measure

As a best practice this standard encourages the use of the data element 355 to describe the quantity unit of measure and the use of data element 639 to describe price unit of measure. When using the SCC-14 to identify an item, the quantity unit of measure is not required (See "Use of Shipping Container Codes SCC-14").

Examples of Unit of Measure Usage			
Quantity	Quantity Unit of Measure	Price	Price Unit of Measure
Data element 330	Data element 355	Data element 212	Data element 639
100	EA (each)	$5.00	PE (per each)
500	EA (each)	$6.00	HP (per hundred)
10	BG (bag)	$7.00	UM (per quantity unit of measure)

Special Carrier/Shipment Requests

To permit the buyer to communicate special shipping conditions such as Same Day, Air Freight, etc., or to allow the specification of a specific carrier, the use of the TD5 segment is recommended.

When specifying a specific carrier it is further recommended that the Standard Carrier Alpha Code (SCAC) be used if one has been assigned to the carrier. See the TD5 segment for further discussion.

It should be noted that the TD5 segment may be included at the header portion of the transaction, thereby applying to the entire order, or at the line item level of the order, applying only to the specified line.

Will Call/Customer Pickup

When specifying a "Will Call" order it is suggested that the FOB segment include the qualifier "PU" for *customer pickup/will call.*

In addition, the TD5 segment should contain a TD504 element describing shipping method using an "H" qualifier to represent a *customer pickup*.

Use of Shipping Container Code (SCC-14)

As partnerships enter into the use of SCC-14 codes, considerations need to be outlined. This SCC-14 format includes the designation of the specific package size in the first position of the code. Depending on the item requested, a conflict could exist in the interpretation of the quantity designated in the SCC-14 code and the quantity unit of measure passed in the PO103 element.

Example:

PO102 Qty	PO103 Qty U/M	PO106 Product ID Qualifier	PO107 Product ID (SCC-14)	Comments
12	EA	UK	30122222222228	Quantity ordered not resolved

Is the order 1 carton of 12, or 12 cartons of 12?

Product ID (SCC-14)	Quantity (Per SCC-14)	Description
00122222222227	1	Each
30122222222228	12	Inner Pack
50122222222222	96	Case

To avoid confusion, it is suggested that when using SCC-14 with pack identifier codes, **do not include** the PO103 element. Therefore, it is clear that the carton size from the SCC-14 pack identifier code is applied against the quantity ordered as specified in the PO102 element.

PO102 Qty	PO103 Qty U/M	PO106 Product ID Qualifier	PO107 Product ID (SCC-14)	Comments
12	**Not Used**	UK	00122222222227	Indicates 12 eaches
12	**Not Used**	UK	30122222222228	Indicates 12 inner packs of 12 each

Segment Usage

If a specific segment appears in the "header" area of the transaction, then the information applies to the whole transaction. If the segment appears in the "detail" portion of the transaction, then the information applies to the detail line only. If both a "header" and a "detail" segment appear, then the "detail" will supersede on the specific line only.

This section contains business discussions about the use of purchase order cycle documents. These discussions will assist in determining application changes and business process changes that may be necessary within a company.

Electronic Commerce: Automating the Order/Order Change Process

Abstract: **This section attempts to clarify the order/order change process and to suggest a method of automation with the goal of improving the timing and accuracy of order information .**

Business Case

The business processes to be discussed will start with the initial placing of an order and continue through the acknowledgment of any changes to the order. This process can be divided into four transactions.

Order Process				Case 1	Case 2	Case 3	Case 4	Case 5
B U Y E R	→	850 Purchase Order	→ S	4	4			
	←	855 Purchase Order Acknowledgment	← E L		4		4	
	→	860 Purchase Order Change Request	→ L E			4		4
	←	865 Purchase Order Change Acknowledgment / Request	← R			4	4	4

Refer to the definition of the example business cases on the next page.

Sample Business Cases

Case 1 Purchase Order Only Processing

The 850 transaction could be implemented as a single transaction between the buyer and seller.

Case 2 Purchase Order and Acknowledgment Processing

To demonstrate how the order process could be implemented, the 850 would be used to transmit the initial purchase order. Then the 855 transaction would be used to acknowledge the order, as well as to communicate changes to the order such as substitutions, ship dates, and price.

Case 3 Buyer Initiated Change

To demonstrate how some partners may wish to process changes to purchase orders, the buyer initiated change request could be communicated using an 860 transaction. If a seller acknowledgment is required then an 865 transaction would be generated confirming, rejecting or stating changes to the 860 change request.

Case 4 Alternative Change Acknowledgments

It is the suggested guideline that the 855 be used to acknowledge an initial order.

However, if an acknowledgment transaction is required in response to a purchase order change request then the industry guideline allows for either an 855 Purchase Order Acknowledgment or an 865 Purchase Order Change Acknowledgment to be sent by the seller dependent on the *buyers* preference.

If a buyer is capable of receiving an 865 then the use of the 865 is preferred.

Case 5 Seller Initiate Changes

In some advanced partnerships the 865 can be used by the seller to notify the buyer of a seller initiated change to the order, such as substitutions, and ship date changes. In this case, if the partnership requires that the buyer acknowledge the change, then the 860 can be sent confirming or rejecting the seller initiated changes.

Suggested Guidelines

*In the interest of furthering the cause of electronic commerce, this document is going to suggest a common usage of this group of transactions. It is acknowledged that variations from this suggested standard will exist, but should be treated as exception*s.

It is suggested that the:

- 855 be used by the seller to acknowledge the receipt of the initial purchase order. This transaction can be used to accept the order as received or to indicate acceptance with changes to the order.

- 855 be used by the seller to notify the buyer of a vendor generated order (VMI environment).

- 860 be used by the buyer to communicate any changes to the order.

- 855 or the 865 can alternatively be used by the seller to communicate a change to the purchase order. This transaction could be seller initiated, or in response to a buyer's 860 Purchase Order Change Request. The choice of which transaction to use will be dependent on the specific partnership, however the use of the 865 is preferred.

Transaction Definition

850 Purchase Order
This buyer initiated transaction communicates the purchase order to the seller.

855 Purchase Order Acknowledgment
This seller initiated transaction permits the communication of the acknowledgment of the buyer's initial purchase order.

Under the proposed guidelines, this transaction could also be used later in the order cycle for the seller to communicate another change to the purchase order, such as a delivery date change, or to acknowledge a change request from the buyer. (Refer to the *Suggested Guidelines* above for additional comments on when to use this transaction.)

860 Purchase Order Change Request
This buyer initiated transaction permits the communication of a requested change to the purchase order.

It is anticipated that this transaction would only be used when associated with orders that reside in the sellers system for a long duration. This is normally used to change blanket orders, orders with scheduled ship dates, or any order that might fall into the futures category.

It should be noted that the 860 can be used by the buyer to confirm a change associated with a seller initiated change to a purchase order. This could be a response to a 855 or to a 865 depending on the partnership and the timing of the transactions.

865 Purchase Order Change Acknowledgment/Request
This seller initiated transaction permits the communication of the acknowledgment of change to a buyer purchase order. It also permits the seller to communicate additional changes to the accepted order.

Under the proposed guidelines, this transaction could also be used later in the order cycle for the seller to communicate another change to the purchase order, such as a delivery date change, or to acknowledge a change request from the buyer. (Refer to the *Suggested Guidelines* above for additional comments on when to use this transaction.)

The 865 is usually sent in response to 860 change request.

This section contains business discussions about the use of the segments within the 850 Purchase Order. These discussions will assist in determining application changes and business process changes that may be necessary within a company.

850 **Purchase Order**

Functional Group=PO

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	Id	Segment Name	Req	Max Use	Repeat	Notes
010	ST	Transaction Set Header	M	1		
020	BEG	Beginning Segment for Purchase Order	M	1		
040	CUR	Currency	O	1		
050	REF	Reference Identification	O	>1		
060	PER	Administrative Communications Contact	O	3		
080	FOB	F.O.B. Related Instructions	O	>1		
110	CSH	Sales Requirements	O	5		
LOOP ID - SAC					**25**	
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
130	ITD	Terms of Sale/Deferred Terms of Sale	O	>1		
150	DTM	Date/Time Reference	O	10		
240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
250	TD3	Carrier Details (Equipment)	O	12		
270	MAN	Marks and Numbers	O	10		
LOOP ID - N1					**200**	
310	N1	Name	O	1		
330	N3	Address Information	O	2		
340	N4	Geographic Location	O	>1		

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID - PO1					**100000**	
010	PO1	Baseline Item Data	M	1		N2/010
LOOP ID - PID					**1000**	
050	PID	Product/Item Description	O	1		
100	REF	Reference Identification	O	>1		
LOOP ID - SAC					**25**	
130	SAC	Service, Promotion, Allowance, or Charge Information	O	1		
140	IT8	Conditions of Sale	O	1		
210	DTM	Date/Time Reference	O	10		
280	MAN	Marks and Numbers	O	10		
LOOP ID - SCH					**200**	
295	SCH	Line Item Schedule	O	1		N2/295
LOOP ID - N1					**200**	
350	N1	Name	O	1		
370	N3	Address Information	O	2		

380	N4	Geographic Location	O	1		
LOOP ID - SLN					**1000**	
470	SLN	Subline Item Detail	O	1		

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes
LOOP ID - CTT					**1**	
010	CTT	Transaction Totals	O	1		N3/010
030	SE	Transaction Set Trailer	M	1		

ST   Transaction Set Header

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

Example:

ST*850*0001^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ST01	**143**	**Transaction Set Identifier Code**	**M**	**ID**	**3/3**

Description: Code uniquely identifying a Transaction Set.

Code	NAME
850	Purchase Order

Ref	Id	Element Name	Req	Type	Min/Max
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.

ECTF Notes: This control number must match the control number found in data element SE02.

BEG Beginning Segment for Purchase Order

To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates.

Example:

BEG*00*NE*092123456**20010331^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
BEG01	353	**Transaction Set Purpose Code**	M	ID	2/2

Description: Code identifying purpose of transaction set.

Code	NAME
00	Original
06	Confirmation

Ref	Id	Element Name	Req	Type	Min/Max
BEG02	92	**Purchase Order Type Code**	M	ID	2/2

Description: Code specifying the type of Purchase Order.

Code	NAME
BK	Blanket Order (Quantity Firm)
CF	Confirmation
DS	Dropship
EO	Emergency Order

Description: Acquires what is needed no matter what the cost; different from a rush order in that rush utilizes the normal channels as quickly as possible

Code	NAME
NE	New Order
NS	New Store Opening
PR	Promotion
RL	Release or Delivery Order

Description: An order for goods and services placed against a pre-existing contract or blanket order

Code	NAME
RO	Rush Order
SA	Stand-alone Order

Ref	Id	Element Name	Req	Type	Min/Max
BEG03	324	**Purchase Order Number**	M	AN	1/22

Description: Identifying number for Purchase Order assigned by the orderer/purchaser.

Ref	Id	Element Name	Req	Type	Min/Max
BEG04	328	**Release Number**	O	AN	1/30

Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction.

Ref	Id	Element Name	Req	Type	Min/Max
BEG05	373	**Date - Purchase Order**	M	DT	8/8

Description: Date expressed as CCYYMMDD.

CUR Currency

To specify the currency (dollars, pounds, francs, etc.) used in a transaction.

ECTF Notes:

Currency Code (CUR02) would typically be used when transacting business in multiple countries. Refer to ISO 4217 for standard currency codes.

Example:

CUR*SE*USD^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CUR01	**98**	**Entity Identifier Code**	**M**	**ID**	**2/3**

Description: Code identifying an organizational entity, a physical location, property or an individual.

Code	NAME
BY	Buying Party (Purchaser)
SE	Selling Party

Ref	Id	Element Name	Req	Type	Min/Max
CUR02	**100**	**Currency Code**	**M**	**ID**	**3/3**

Description: Code (Standard ISO) for country in whose currency the charges are specified.

Code	NAME
CAD	Canadian Dollars
MXP	Mexican Peso
USD	United States Dollars

REF Reference Identification

To specify identifying information.

ECTF Notes:

This segment can optionally be used to communicate customer price, quote numbers, or other reference numbers. When included at this level, the reference number specified applies to all items on the order unless an override quote number is encountered at the line item level.

Example:

REF*PR*ABC-12345-1^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	128	**Reference Identification Qualifier**	M	ID	2/3

Description: Code qualifying the Reference Identification

Code	NAME
CO	Customer Order Number
DG	Drawing Number
PD	Promotion/Deal Number
PR	Price Quote Number
R1	Current Revision Number
SE	Serial Number

Ref	Id	Element Name	Req	Type	Min/Max
REF02	127	**Reference Identification**	M	AN	1/30

Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier

PER   Administrative Communications Contact

This segment can optionally be used to communicate customer contact names or departments.

Example:

PER*BD*JANE SMITH*TE*3121234567^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PER01	366	**Contact Function Code**	M	ID	2/2

Description: Code identifying the major duty or responsibility of the person or group named.

Code	NAME
BD	Buyer Name or Department
OC	Order Contact

Ref	Id	Element Name	Req	Type	Min/Max
PER02	93	**Name**	O	AN	1/60

Description: Free-form name.

Ref	Id	Element Name	Req	Type	Min/Max
PER03	365	**Communication Number Qualifier**	C	ID	2/2

Description: Code identifying the type of communication number.

ECTF Notes: The codes listed for the PER03 apply to each occurrence of data element 365 in the PER segment.

Code	NAME
EM	Electronic Mail
FX	Facsimile
TE	Telephone

Ref	Id	Element Name	Req	Type	Min/Max
PER04	364	**Communication Number**	C	AN	1/80

Description: Complete communications number including country or area code when applicable.

Ref	Id	Element Name	Req	Type	Min/Max
PER05	365	**Communication Number Qualifier**	C	ID	2/2

Description: Code identifying the type of communication number.

Ref	Id	Element Name	Req	Type	Min/Max
PER06	364	**Communication Number**	C	AN	1/80

Description: Complete communications number including country or area code when applicable.

Ref	Id	Element Name	Req	Type	Min/Max
PER07	365	**Communication Number Qualifier**	C	ID	2/2

Description: Code identifying the type of communication number.

Ref	Id	Element Name	Req	Type	Min/Max
PER08	364	**Communication Number**	C	AN	1/80

Description: Complete communications number including country or area code when applicable.

FOB F.O.B. Related Instructions

This segment can optionally be used to communicate freight payment responsibility.

Example:

FOB*PP^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
FOB01	**146**	**Shipment Method of Payment**	**M**	**ID**	**2/2**

Description: Code identifying payment terms for transportation charges

Code	NAME
CC	Collect
PC	Prepaid but Charged to Customer
PP	Prepaid (by Seller)
PU	Pickup

CSH   Sales Requirements

To specify general conditions or requirements of the sale.

Example:

CSH*BK^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CSH01	**563**	**Sales Requirement Code**	**O**	**ID**	**1/2**

Description: Code to identify a specific requirement or agreement of sale.

Code	NAME
BK	Ship Partial - Balance Back Order
N	No Back Order
SP	Ship Partial - Balance Cancel
SC	Ship Complete

SAC   Service, Promotion, Allowance, or Charge Information

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

ECTF Notes:

For all data elements within this segment, the decimal point is assumed and should not be included in the amount.

Example:

SAC*C*F050***1000*******06***MISC CHARGE DESCRIPTION^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1

Description: Code which indicates an allowance or charge for the service specified

Code	NAME
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4

Description: Code identifying the service, promotion, allowance, or charge

Code	NAME
A010	Absolute Minimum Charge
D240	Freight
D500	Handling
F050	Other (See related description)

Ref	Id	Element Name	Req	Type	Min/Max
SAC05	610	**Amount**	O	N2	1/15

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max
SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID	2/2

Description: Code indicating method of handling for an allowance or charge

Code	NAME
05	Charge to be Paid by Vendor
06	Charge to be Paid by Customer
09	Allowance To Be Issued by Vendor

    Description: Code designating vendor as the issuer of an allowance

Ref	Id	Element Name	Req	Type	Min/Max
SAC15	352	**Description**	C	AN	1/80

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

ITD   Terms of Sale/Deferred Terms of Sale

Pos: 130   **Max: >1**
Heading - Optional
Loop: N/A **Elements: 9**

This segment can be optionally used to communicate or specify terms of the sale.

Example:

ITD*15*3*2*20010315********2%10th Prox Net EOM^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
ITD01	**336**	**Terms Type Code**	**O**	**ID**	**2/2**
		Description: Code identifying type of payment terms.			

Code	NAME
01	Basic
09	Proximo
15	Special Proximo

Ref	Id	Element Name	Req	Type	Min/Max
ITD02	**333**	**Terms Basis Date Code**	**O**	**ID**	**1/2**
		Description: Code identifying the beginning of the terms period.			

Code	NAME
3	Invoice Date

Ref	Id	Element Name	Req	Type	Min/Max
ITD03	**338**	**Terms Discount Percent**	**O**	**R**	**1/6**
		Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date.			
ITD04	**370**	**Terms Discount Due Date**	**C**	**DT**	**8/8**
		Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD.			
ITD05	**351**	**Terms Discount Days Due**	**C**	**N0**	**1/3**
		Description: Number of days in the terms discount period by which payment is due if terms discount is earned.			
ITD06	**446**	**Terms Net Due Date**	**O**	**DT**	**8/8**
		Description: Date when total invoice amount becomes due expressed in format CCYYMMDD.			
ITD07	**386**	**Terms Net Days**	**O**	**N0**	**1/3**
		Description: Number of days until total invoice amount is due (discount not applicable).			
ITD08	**362**	**Terms Discount Amount**	**O**	**N2**	**1/10**
		Description: Total amount of terms discount.			
ITD12	**352**	**Description**	**O**	**AN**	**1/80**
		Description: A free-form description to clarify the related data elements and their content.			

DTM   Date/Time Reference

To specify pertinent dates and times.

ECTF Notes:

This segment can be optionally used to specify dates associated with the purchase order.

Example:

DTM*037*20010413^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	374	**Date/Time Qualifier**	M	ID	3/3

Description: Code specifying type of date or time, or both date and time.

Code	NAME
001	Cancel After
002	Delivery Requested
010	Requested Ship
037	Ship Not Before
038	Ship No Later
039	Ship Week of
106	Required By
118	Requested Pick-up
372	Actual Arrival Date

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	373	**Date**	M	DT	8/8

Description: Date expressed as CCYYMMDD.

TD5 Carrier Details (Routing Sequence/Transit Time)

This segment can be optionally used to specify a carrier preference and/or a requested method of shipping.

ECTF Notes:

Preferred Carrier
To specify a specific carrier preference a TD502 element should be included having a qualifier of "2", followed by a TD503 element containing a valid Standard Carrier Alpha Code (SCAC) describing the preferred carrier. The SCAC table is a certified list of four character codes associated with specific carriers. This list is published by the National Motor Freight Traffic Association. Examples of SCAC codes are listed below.

Code   Description
CFWY   Consolidated Freightways (Type - LTL)
FEPL   Federal Express (Type - Air)
OVNT   Overnight (Type - LTL)

Shipment Method
To specify a method of shipment a TD504 element should be included having a valid qualifier describing the method requested.

Service Level
To specify a service level a TD512 element should be included having a valid qualifier describing the service level requested.

Example:

TD5**2*AAAA*M*AAA FREIGHT CO.*******09^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD502	**66**	**Identification Code Qualifier**	C	ID	1/2
		Description: Code designating the system/method of code structure used for Identification Code (67).			

Code NAME
2   Standard Carrier Alpha Code (SCAC)
91   Assigned by Seller or Seller's Agent
      Description: (Not Recommended)
92   Assigned by Buyer or Buyer's Agent
      Description: (Not Recommended)

Ref	Id	Element Name	Req	Type	Min/Max
TD503	**67**	**Identification Code**	C	AN	2/80
		Description: Code identifying a party or other code.			
TD504	**91**	**Transportation Method/Type Code**	C	ID	1/2
		Description: Code specifying the method or type of transportation for the shipment.			

Code NAME
A   Air
H   Customer Pickup
M   Motor (Common Carrier)
T   Best Way (Shippers Option)
U   Private Parcel Service
AE   Air Express
LT   Less Than Trailer Load (LTL)
SR   Supplier Truck

Ref	Id	Element Name	Req	Type	Min/Max
TD505	**387**	**Routing**	C	AN	1/35
		Description: Free-form description of the routing or requested routing for			

Ref	Id	Element Name	Req	Type	Min/Max

shipment, or the originating carrier's identity.

TD512 **284** **Service Level Code** **C** **ID** **2/2**

Description: Code indicating the level of transportation service or the billing service offered by the transportation carrier.

Code	NAME
09	Premium Surface

Description: Indicates that alternate routing instructions should be used instead of the regular ones given

ND Next Day Air

Description: Delivery during business day hours of next business day

ON Overnight

SC Second Day Air

Description: Delivery during business day hours no later than second business day

SD Saturday

SE Second Day

SG Standard Ground

TD3 Carrier Details (Equipment)

To specify transportation details relating to the equipment used by the carrier.

Example:

TD3*LU^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
TD301	**40**	**Equipment Description Code**	**C**	**ID**	**2/2**

    Description: Code identifying type of equipment used for shipment.

Code	NAME
LU	Load/unload Device on Equipment
TL	Trailer (not otherwise specified)

MAN   Marks and Numbers

This segment is commonly included when information is to be printed on shipping papers or package labels.

ECTF Notes:

The use of this segment to pass additional information other than for the stated purpose is discouraged.

Example:

MAN*PB*SP-654321-006^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
MAN01	88	**Marks and Numbers Qualifier**	M	ID	1/2

Description: Code specifying the application or source of Marks and Numbers (87).

Code	NAME
S	Entire Shipment
PB	Premarked by Buyer

Ref	Id	Element Name	Req	Type	Min/Max
MAN02	87	**Marks and Numbers**	M	AN	1/48

Description: Marks and numbers used to identify a shipment or parts of a shipment.

N1   Name

Pos: 310   **Max: 1**
Heading - Optional
Loop: N1   **Elements: 4**

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

ECTF Notes:

DUNS+4 should be considered the primary and preferred method of identifying a location.

Example:

N1*BY*ABC DISTRIBUTION*9*0012345670000^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	**98**	**Entity Identifier Code**	**M**	**ID**	**2/3**

Description: Code identifying an organizational entity, a physical location, property or an individual.

Code	NAME
BS	Bill and Ship To
BT	Bill-to-Party
BY	Buying Party (Purchaser)
EN	End User
SE	Selling Party
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max
N102	**93**	**Name**	**C**	**AN**	**1/60**

Description: Free-form name.

Ref	Id	Element Name	Req	Type	Min/Max
N103	**66**	**Identification Code Qualifier**	**C**	**ID**	**1/2**

Description: Code designating the system/method of code structure used for Identification Code (67).

Code	NAME
1	D-U-N-S Number
9	D-U-N-S+4
91	Assigned by Seller or Seller's Agent
	Description: (Not Recommended)
92	Assigned by Buyer or Buyer's Agent
	Description: (Not Recommended)

Ref	Id	Element Name	Req	Type	Min/Max
N104	**67**	**Identification Code**	**C**	**AN**	**2/80**

Description: Code identifying a party or other code.

Pos: 330   **Max: 2**
Heading - Optional
Loop: N1   **Elements: 2**

N3   Address Information

To specify the location of the named party.

Example:

N3*100 S. LASALLE ST.*SUITE 410^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N301	**166**	**Address Information**	**M**	**AN**	**1/55**
		Description: Address information.			
N302	**166**	**Address Information**	**O**	**AN**	**1/55**
		Description: Address information.			

N4   Geographic Location

Pos: 340   **Max: >1**
Heading - Optional
Loop: N1   **Elements: 4**

To specify the geographic place of the named party.

ECTF Notes:

Country Code (N404) would typically be used when transacting business in multiple countries. Refer to ISO 3166 for standard country codes.

Example:

N4*CHICAGO*IL*60601*USA^

Element Summary:

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

Code	NAME
CAN	Canada
MEX	Mexico
USA	United States

PO1 Baseline Item Data

Pos: 010   **Max: 1**
Detail - Mandatory
Loop: PO1   **Elements: 25**

To specify basic and most frequently used line item data.

ECTF Notes:

PO106 through PO125 provide for multiple product/service IDs for each item. If only one product/service ID is provided, PO106 and PO107 should be used. PO108 and PO109 would be used for a second product/service ID, etc. Multiple product/service ID's can be presented in any sequence.

Example:

PO1*0001*12900*PC*5.43*TP*VC*P-8750*UI*09999982010*BP*CC-14*RK*BZOR6A12^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PO101	350	**Assigned Identification**	O	AN	1/20
		Description: It is recommended that the element PO101 be included having a unique order line number assigned by the buyer.			
PO102	330	**Quantity Ordered**	C	R	1/15
		Description: Quantity ordered			
PO103	355	**Unit or Basis for Measurement Code**	O	ID	2/2

Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

ECTF Notes: One of the greatest difficulties in establishing trading partnerships is the sharing of quantities with a possibility of interpretation problems associated with quantity unit of measures. Usually this only affects a small segment of products communicated, therefore the problem does not always appear in the initial test transactions.

It is recommended that the sender convert quantities to the lowest possible common unit of measure. For any unit of measurement other than "each", both partners would be advised to discuss their intent prior to implementing this transaction.

Code	NAME
BG	Bag
BK	Book
CA	Case
CG	Card
CT	Carton
EA	Each
FT	Foot
HU	Hundred
KG	Kilogram
KT	Kit
LB	Pound
MR	Meter
PC	Piece
PK	Package
RD	Rod (length) - 5.5 Yards
RE	Reel
RL	Roll
SH	Sheet
SO	Spool
TH	Thousand

Ref	Id	Element Name	Req	Type	Min/Max

PO104　**212**　**Unit Price**　　　　　　　　　　　　　　　**C**　**R**　**1/17**

Description: Price per unit of product, service, commodity, etc.

ECTF Notes: As a best practice, this standard encourages the use of unit price to proactively identify and resolve pricing discrepancies.

PO105　**639**　**Basis of Unit Price Code**　　　　　　　　　**O**　**ID**　**2/2**

Description: Code identifying the type of unit price for an item

ECTF Notes: Each time a price is used, this element should contain the appropriate price unit of measure code associated with the price.

Code	NAME
HF	Per 100 Feet
HP	Price per Hundred
PE	Price per Each
PF	Price Per Foot
PP	Price per Pound
TF	Per 1000 Feet
TP	Price per Thousand
UM	Price per Unit of Measure

PO106　**235**　**Product/Service ID Qualifier**　　　　　　**C**　**ID**　**2/2**

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

ECTF Notes: It is recommended that the U.P.C. number for an item be included when it exists. In addition, most partnerships recommend that the vendor's part number or the customer's part number be included along with the U.P.C. number.

Code	NAME
BP	Buyer's Part Number
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
RK	Rack Number
U2	U.P.C. Shipping Container Code (1-2-5-5)

    Description: A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code

Code	NAME
UD	U.P.C./EAN Consumer Package Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

    Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

Code	NAME
VC	Vendor's (Seller's) Catalog Number
VP	Vendor's (Seller's) Part Number

PO107　**234**　**Product/Service ID**　　　　　　　　　　**C**　**AN**　**1/48**

Description: Identifying number for a product or service.

PO108　**235**　**Product/Service ID Qualifier**　　　　　　**C**　**ID**　**2/2**

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

PO109　**234**　**Product/Service ID**　　　　　　　　　　**C**　**AN**　**1/48**

Description: Identifying number for a product or service.

Ref	Id	Element Name	Req	Type	Min/Max
PO110	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO111	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO112	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO113	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO114	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO115	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO116	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO117	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO118	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO119	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO120	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO121	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO122	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO123	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**
PO124	**235**	**Product/Service ID Qualifier** **Description:** Code identifying the type/source of the descriptive number used in Product/Service ID (234).	**C**	**ID**	**2/2**
PO125	**234**	**Product/Service ID** **Description:** Identifying number for a product or service.	**C**	**AN**	**1/48**

PID Product/Item Description

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

ECTF Notes:

This segment should only be used when specific agreements between partners have been discussed.

Example:

PID*F****WIRING ACCESSORY, SPECIAL RELEASE CONTROL ARM^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
PID01	349	**Item Description Type**	M	ID	1/1
		Description: Code indicating the format of a description			

Code	NAME
F	Free-form

Ref	Id	Element Name	Req	Type	Min/Max
PID05	352	**Description**	C	AN	1/80
		Description: A free-form description to clarify the related data elements and their content			

REF   Reference Identification

To specify identifying information.

ECTF Notes:

This segment can optionally be used to communicate customer price, quote numbers, or other reference numbers. When included at this level, the reference number specified applies to the individual item on the order. This overrides any header level reference number.

Example:

REF*PR*ABC-12345-2^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
REF01	128	**Reference Identification Qualifier**	M	ID	2/3
		Description: Code qualifying the Reference Identification			

Code	NAME
DG	Drawing Number
PD	Promotion/Deal Number
PR	Price Quote Number
R1	Current Revision Number
SE	Serial Number

Ref	Id	Element Name	Req	Type	Min/Max
REF02	127	**Reference Identification**	C	AN	1/30
		Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier			

SAC   Service, Promotion, Allowance, or Charge Information

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge.

ECTF Notes:

For all data elements within this segment, the decimal point is assumed and should not be included in the amount.

Example:

SAC*C*F050***1500*******06***SPECIAL PACKAGING^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SAC01	248	**Allowance or Charge Indicator**	M	ID	1/1

Description: Code which indicates an allowance or charge for the service specified

Code	NAME
A	Allowance
C	Charge

Ref	Id	Element Name	Req	Type	Min/Max
SAC02	1300	**Service, Promotion, Allowance, or Charge Code**	C	ID	4/4

Description: Code identifying the service, promotion, allowance, or charge

Code	NAME
A010	Absolute Minimum Charge
D240	Freight
D500	Handling
F050	Other (See related description)

Ref	Id	Element Name	Req	Type	Min/Max
SAC05	610	**Amount**	O	N2	1/15

Description: Monetary amount

Ref	Id	Element Name	Req	Type	Min/Max
SAC12	331	**Allowance or Charge Method of Handling Code**	O	ID	2/2

Description: Code indicating method of handling for an allowance or charge

Code	NAME
05	Charge to be Paid by Vendor
06	Charge to be Paid by Customer
09	Allowance To Be Issued by Vendor

Description: Code designating vendor as the issuer of an allowance

Ref	Id	Element Name	Req	Type	Min/Max
SAC15	352	**Description**	C	AN	1/80

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

IT8   Conditions of Sale

Pos: 140   **Max: 1**
Detail - Optional
Loop: PO1   **Elements: 1**

To specify general conditions or requirements and to detail conditions for substitution of alternate products.

Example:

IT8*SC^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
IT801	**563**	**Sales Requirement Code**	**C**	**ID**	**1/2**

> **Description:** Code to identify a specific requirement or agreement of sale

Code	NAME
BK	Ship Partial - Balance Back Order
N	No Back Order
SC	Ship Complete - Balance Cancel
SP	Ship Partial

DTM   Date/Time Reference

To specify pertinent dates and times.

ECTF Notes:

This segment can be optionally used to specify dates and times associated with the line. This date will override any header level dates.

Example:

DTM*037*20010418^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
DTM01	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**

Description: Code specifying type of date or time, or both date and time

Code	NAME
002	Delivery Requested
010	Requested Ship
037	Ship Not Before
038	Ship No Later
039	Ship Week of
106	Required By
118	Requested Pick-up
372	Actual Arrival Date

Ref	Id	Element Name	Req	Type	Min/Max
DTM02	**373**	**Date**	**M**	**DT**	**8/8**

Description: Date expressed as CCYYMMDD

MAN   Marks and Numbers

This segment is commonly included when information is to be printed on shipping papers or package labels.

ECTF Notes:

At the detail level, the identifying marks and numbers would relate to specific line items. The use of this segment to pass additional information other than for the stated purpose is discouraged.

Example:

MAN*PB*LN8746^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
MAN01	**88**	**Marks and Numbers Qualifier**	**M**	**ID**	**1/2**
		Description: Code specifying the application or source of Marks and Numbers (87)			

Code	NAME
L	Line Item Only
PB	Premarked by Buyer

Ref	Id	Element Name	Req	Type	Min/Max
MAN02	**87**	**Marks and Numbers**	**M**	**AN**	**1/48**
		Description: Marks and numbers used to identify a shipment or parts of a shipment			

SCH   Line Item Schedule

Pos: 295   **Max: 1**
Detail - Optional
Loop: SCH   **Elements: 4**

To specify the data for scheduling a specific line-item.

ECTF Notes:

The SCH segment may be used to specify scheduled line deliveries. Multiple dates can be transmitted per line to schedule partial quantities.

Example:

SCH*10000*PC***037*20010413^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SCH01	**380**	**Quantity**	**M**	**R**	**1/15**
		Description: Numeric value of quantity			
SCH02	**355**	**Unit or Basis for Measurement Code**	**M**	**ID**	**2/2**
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken. This value must match the unit of measure in the PO103.			

Code	**NAME**
BG	Bag
BK	Book
CA	Case
CG	Card
CT	Carton
EA	Each
FT	Foot
HU	Hundred
KG	Kilogram
KT	Kit
LB	Pound
MR	Meter
PC	Piece
PK	Package
RD	Rod (length) - 5.5 Yards
RE	Reel
RL	Roll
SH	Sheet
SO	Spool
TH	Thousand

Ref	Id	Element Name	Req	Type	Min/Max
SCH05	**374**	**Date/Time Qualifier**	**M**	**ID**	**3/3**
		Description: Code specifying type of date or time, or both date and time			

Code	**NAME**
002	Delivery Requested
010	Requested Ship
037	Ship Not Before
038	Ship No Later
039	Ship Week of
106	Required By
118	Requested Pick-up
372	Actual Arrival Date

Ref	Id	Element Name	Req	Type	Min/Max
SCH06	**373**	**Date**	**M**	**DT**	**8/8**
		Description: Date expressed as CCYYMMDD			

N1   Name

Pos: 350   **Max: 1**
Detail - Optional
Loop: N1   **Elements: 4**

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

ECTF Notes:

Name/address provided at the detail level is used to identify special pricing or shipping requirements. DUNS+4 should be considered the primary and preferred method of identifying a location.

Example:

N1*EN*DYNAMICS INC.*1*123456789^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N101	98	**Entity Identifier Code**	M	ID	2/3
		Description: Code identifying an organizational entity, a physical location, property or an individual			

Code	NAME
EN	End User
ST	Ship To

Ref	Id	Element Name	Req	Type	Min/Max
N102	93	**Name**	C	AN	1/60
		Description: Free-form name			

Ref	Id	Element Name	Req	Type	Min/Max
N103	66	**Identification Code Qualifier**	C	ID	1/2
		Description: Code designating the system/method of code structure used for Identification Code (67)			

Code	NAME
1	D-U-N-S Number
9	D-U-N-S+4
91	Assigned by Seller or Seller's Agent
	Description: (Not Recommended)
92	Assigned by Buyer or Buyer's Agent
	Description: (Not Recommended)

Ref	Id	Element Name	Req	Type	Min/Max
N104	67	**Identification Code**	C	AN	2/80
		Description: Code identifying a party or other code			

N3 Address Information

Pos: 370   **Max: 2**
Detail - Optional
Loop: N1   **Elements: 2**

To specify the location of the named party.

Example:

N3*2444 NORTHWEST AVE.*DOCK #3^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
N301	**166**	**Address Information**	**M**	**AN**	**1/55**
		Description: Address information			
N302	**166**	**Address Information**	**O**	**AN**	**1/55**
		Description: Address information			

N4   Geographic Location

To specify the geographic place of the named party.

ECTF Notes:

Country Code (N404) would typically be used when transacting business in multiple countries. Refer to ISO 3166 for standard country codes.

Example:

N4*CHICAGO*IL*60601*USA^

Element Summary:

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

   Code NAME
   CAN Canada
   MEX Mexico
   USA   United States

SLN   Subline Item Detail

Pos: 470   **Max: 1**
Detail - Optional
Loop: SLN   **Elements: 14**

To specify product subline detail item data.

ECTF Notes:

Segment SLN is to be used if the item is shipped in sub assemblies to identify the sub assemblies to the customer. SLN09 through SLN16 provide for multiple product/service IDs for each item. If only one product/service ID is provided, SLN09 and SLN10 are used. SLN11 and SLN12 would be used for a second product/service ID, etc. Multiple product/service ID's can be presented in any sequence.

Example:

SLN*1.1**I*10000*PC*1.56*TP**VC*P-875OS*UI*09999982001^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SLN01	350	**Assigned Identification**	M	AN	1/20
		Description: Alphanumeric characters assigned for differentiation within a transaction set			
SLN03	662	**Relationship Code**	M	ID	1/1
		Description: Code indicating the relationship between entities			

    Code NAME
    I   Included

Ref	Id	Element Name	Req	Type	Min/Max
SLN04	380	**Quantity**	C	R	1/15
		Description: Numeric value of quantity			
SLN05	C001	**Composite Unit of Measure**	C	Comp	
		Description: To identify a composite unit of measure.			
	355	**Unit or Basis for Measurement Code**	M	ID	2/2
		Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken			

    Code NAME
    BG   Bag
    BK   Book
    CA   Case
    CG   Card
    CT   Carton
    EA   Each
    FT   Foot
    HU   Hundred
    KG   Kilogram
    KT   Kit
    LB   Pound
    MR   Meter
    PC   Piece
    PK   Package
    RD   Rod (length) - 5.5 Yards
    RE   Reel
    RL   Roll
    SH   Sheet
    SO   Spool
    TH   Thousand

Ref	Id	Element Name	Req	Type	Min/Max
SLN06	212	**Unit Price**	C	R	1/17

Ref	Id	Element Name	Req	Type	Min/Max

Description: Price per unit of product, service, commodity, etc.

SLN07   639   **Basis of Unit Price Code**   O   ID   2/2

Description: Code identifying the type of unit price for an item

Code NAME
HF	Per 100 Feet
HP	Price per Hundred
PE	Price per Each
PF	Price Per Foot
PP	Price per Pound
TF	Per 1000 Feet
TP	Price per Thousand
UM	Price per Unit of Measure

SLN09   235   **Product/Service ID Qualifier**   C   ID   2/2

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

Code NAME
BP	Buyer's Part Number
CB	Buyer's Catalog Number
EN	European Article Number (EAN) (2-5-5-1)
RK	Rack Number
U2	U.P.C. Shipping Container Code (1-2-5-5)

      Description: A 13-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, and the remaining five digits are the item code

UD	U.P.C./EAN Consumer Package Code (2-5-5)
UI	U.P.C. Consumer Package Code (1-5-5)
UK	U.P.C./EAN Shipping Container Code (1-2-5-5-1)

      Description: A 14-digit code that uniquely identifies the manufacturer's shipping unit, including the packaging indicator and check digit; the first digit is the packaging indicator, the next two digits are the number system characters, the next five digits are the manufacturer ID number, the second five digits are the item code, and the final digit is the check digit

VC	Vendor's (Seller's) Catalog Number
VP	Vendor's (Seller's) Part Number

SLN10   234   **Product/Service ID**   C   AN   1/48

Description: Identifying number for a product or service

SLN11   235   **Product/Service ID Qualifier**   C   ID   2/2

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

ECTF Notes: The codes listed for the SLN09 apply to each occurrence of data element 235 in the SLN segment.

SLN12   234   **Product/Service ID**   C   AN   1/48

Description: Identifying number for a product or service

SLN13   235   **Product/Service ID Qualifier**   C   ID   2/2

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

ECTF Notes: The codes listed for the SLN09 apply to each occurrence of data element 235 in the SLN segment.

SLN14   234   **Product/Service ID**   C   AN   1/48

Description: Identifying number for a product or service

Ref	Id	Element Name	Req	Type	Min/Max
SLN15	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**
		Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)			
		ECTF Notes: The codes listed for the SLN09 apply to each occurrence of data element 235 in the SLN segment.			
SLN16	**234**	**Product/Service ID**	**C**	**AN**	**1/48**
		Description: Identifying number for a product or service			

CTT Transaction Totals

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

Example:

CTT*4*28412^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
CTT01	**354**	**Number of Line Items**	**M**	**N0**	**1/6**
		Description: Total number of line items in the transaction set			
CTT02	**347**	**Hash Total**	**O**	**R**	**1/10**
		Description: Sum of values of the PO102 data elements.			

SE Transaction Set Trailer

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

Example:

SE*37*0001^

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max
SE01	96	**Number of Included Segments**	M	N0	1/10
		Description: Total number of segments included in a transaction set including ST and SE segments			
SE02	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			

This section contains an example transaction showing the use of the segments within the 850 Purchase Order. Note: The example may not show all segments or qualifier combinations.

```
ST*850*0001^
BEG*00*NE*092123456**20010331^
CUR*SE*USD^
REF*PR*ABC-12345-1^
PER*BD*JANE SMITH*TE*3121234567^
FOB*PP^
CSH*BK^
SAC*C*F050***1000*******06***MISC CHARGE DESCRIPTION^
ITD*15*3*2*20010315********2%10th Prox Net EOM^
DTM*037*20010413^
TD5**2*AAAA*M*AAA FREIGHT CO.*******09^
TD3*LU^
MAN*PB*SP-654321-006^
N1*BY*ABC DISTRIBUTION*9*0012345670000^
N1*BT*ABC FINANCIAL CENTER*9*0012345670001^
N1*ST*ABC DISTRIBUTION W/H*9*0012345670000^
N3*100 S. LASALLE ST.*SUITE 410^
N4*CHICAGO*IL*60601*USA^
N1*SE*XYZ SUPPLIER*9*0076543210000^
PO1*0001*12900*PC*5.43*TP*VC*P- 8750*UI*09999982010*BP*CC-14*RK*BZOR6A12^
PID*F****WIRING ACCESSORY, SPECIAL RELEASE CONTROL ARM^
REF*PR*ABC-12345-2^
SAC*C*F050***1500*******06***SPECIAL PACKAGING^
IT8*SC^
MAN*PB*LN8746^
SCH*10000*PC***037*20010418^
SCH*2900*PC***037*20010513^
N1*EN*DYNAMICS INC.*1*123456789^
N3*2444 NORTHWEST AVE.*DOCK #3^
N4*CHICAGO*IL*60601*USA^
SLN*1.1**I*10000*PC*1.56*TP* *VC*P-8750S*UI*09999982001^
PO1*0002*500*EA*8.89*HP*VC*3252-IV^
DTM*037*20010418^
PO1*0003*15000*FT*400*TF*U1*78922512346^
PO1*0004*12*PH*1.42*PE*VC*4252-IV*U2*7062120066285^
CTT*4*28412^
SE*37*0001^
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