

810 AVNET Invoice

This standard provides the format and establishes the data contents of an invoice transaction set. The invoice transaction set provides for customary and established business and industry practice relative to the billing for goods and services provided.

Table 1

PAGE #	POS.#	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
261	010	ST	Transaction Set Header	M	1	
262	020	BIG	Beginning Segment for Invoice	M	1	
N/U	030	NTE	Note/Special Instruction	F	100	
263	040	CUR	Currency	0	1	
265	050	REF	Reference Numbers	0	12	
N/U	060	PER	Administrative Communications Contact	О	3	
			LOOP ID - N1			200
266	070	N1	Name	0	1	
N/U	080	N2	Additional Name Information	0	2	
268	090	N3	Address Information	0	2	
269	100	N4	Geographic Location	0	1	
270	110	REF	Reference Numbers	0	12	
N/U	120	PER	Administrative Communications Contact	0	3	
271	130	ITD	Terms of Sale/Deferred Terms of Sale	0	5	
273	140	DTM	Date/Time Reference	0	10	
N/U	150	FOB	F.O.B. Related Instructions	0	1	
N/U	160	PID	Product/Item Description	0	200	
N/U	170	MEA	Measurements	0	40	
N/U	180	PWK	Paperwork	0	25	
N/U	190	PKG	Marking, Packaging, Loading	0	25	
N/U	200	L7	Tariff Reference	0	1	

Table 2

PAGE #	POS.#	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
			LOOP ID - IT1			200000
274	010	IT1	Baseline Item Data (Invoice)	0	1	
276	020	CUR	Currency	0	1	
278	030	IT3	Additional Item Data	0	5	
279	040	TXI	Tax Information	0	10	
N/U	050	СТР	Pricing Information	0	25	
280	059	MEA	Measurements	0	40	
			LOOP ID - IT1/PID			1000
282	060	PID	Product/Item Description	0	1	
283	070	MEA	Measurements	0	10	
N/U	080	PWK	Paperwork	0	25	
N/U	090	PKG	Marking, Packaging, Loading	0	25	
285	100	PO4	Item Physical Details	0	1	
N/U	110	ITD	Terms of Sale/Deferred Terms of Sale	0	2	
287	120	REF	Reference Numbers	0	>1	
N/U	130	PER	Administrative Communications Contact	0	5	
N/U	140	SDQ	Destination Quantity	0	500	
288	150	DTM	Date/Time Reference	0	10	
289	160	CAD	Carrier Detail	0	>1	

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N/U	170	L7	Tariff Reference	0	>1	
			LOOP ID - IT1/ITA			10
291	180	ITA	Allowance, Charge or Service	0	1	
293	190	TXI	Tax Information	0	10	
			LOOP ID - IT1/SLN			1000
N/U	200	SLN	Subline Item Detail	0	1	
N/U	210	REF	Reference Numbers	0	>1	
N/U	220	PID	Product/Item Description	0	1000	
N/U	230	ITA	Allowance, Charge or Service	0	10	
			LOOP ID - IT1/N1			200
294	240	N1	Name	0	1	
295	250	N2	Additional Name Information	0	2	
296	260	N3	Address Information	0	2	
297	270	N4	Geographic Location	0	1	
298	280	REF	Reference Numbers	0	12	
N/U	290	PER	Administrative Communications Contact	0	3	

Table 3

PAGE #	POS.#	SEG. ID	NAME	REQ. DES.	MAX USE	LOOP REPEAT
299	010	TDS	Total Monetary Value Summary	M	1	
300	020	TXI	Tax Information	0	10	
N/U	030	CAD	Carrier Detail	0	1	
			LOOP ID - ITA			10
N/U	040	ITA	Allowance, Charge or Service	0	1	
N/U	050	TXI	Tax Information	0	10	
N/U	060	ISS	Invoice Shipment Summary	0	5	
301	070	CTT	Transaction Totals	M	1	
302	080	SE	Transaction Set Trailer	М	1	

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SEGMENT: ST Transaction Set Header

LEVEL: Header

LOOP:

usage: Mandatory

MAX USE: 1

PURPOSE: To indicate the start of a transaction set and to assign a control

number

COMMENTS: A The transaction set identifier (ST01) is intended for use by the

translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the

invoice transaction set).

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set.	M	ID	3/3
		810 X12.2 Invoice			
ST02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transact	M ion s	AN et.	4/9

SEGMENT: BIG Beginning Segment for Invoice

LEVEL: Header

LOOP:

usage: Mandatory

MAX USE: 1

PURPOSE: To indicate the beginning of an invoice transaction set and to

transmit identifying numbers and dates.

COMMENTS: A BIG07 is used only to further define the type of invoice when

needed.

REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
BIG01	245	Invoice Date Invoice Issue Date.	M	DT	6/6
BIG02	76	Invoice Number Identifying number assigned by issuer.	M	AN	1/22
BIG03	323	Purchase Order Date Date assigned by the purchaser to Purchase Order.	0	DT	6/6
BIG04	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/pur	O chas	AN er.	1/2
BIG05	328	Release Number Number identifying a release against a Purchase Order previously parties involved in the transaction.	O place	AN ed by t	1/3 (he
BIG06 32		Change Order Sequence Number Number assigned by the orderer identifying a specific change or re previously transmitted transaction set.	O visio	AN n to a	1/8
		Not Used by AVNET			
BIG07	640	Transaction Type Code Code specifying the type of transaction.	0	ID	2/2
		Recommended by AVNET			
		CA Cash			
		CO Corrected			
		FB Final Bill			

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SEGMENT: CUR Currency

LEVEL: Header

LOOP:

usage: Optional

MAX USE: 1

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

transaction

SYNTAX: 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.

COMMENTS:

A Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver).

CUR*BY*CAD* N/L

Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values.

B CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L 4

3

- 1. Identifies the buyer's (BY) currency as U.S. dollars (USD).
- 2. The multiplier (1.20) is the exchange rate factor for the conversion.
- 3. Identifies the seller's (SE) currency as Canadian dollars (CAD).
- 4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400).

The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBU	TES
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M	ID	2/2
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges ar	M e spe	ID ecified.	3/3

The ASC X12 003010 segment "CUR" contains nineteen additional data elements not used by AVNET.

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SEGMENT: REF Reference Numbers

LEVEL: Header

LOOP:

usage: Optional

MAX USE: 12

PURPOSE: To specify identifying numbers.

SYNTAX: 1 Either REF02 or REF03 is required.

NOTES: This REF segment can be repeated five times.

Data Element Summary

 REF. DATA DES.
 DATA ELEMENT
 NAME
 ATTRIBUTES

 REF01
 128
 Reference Number Qualifier
 M ID 2/2

BM Bill of Lading Number

Code qualifying the Reference Number.

Business Requirement: Bill of Lading Number (#1). Used in the fifth of five possible REF segments.

C6 Carnet Number

Business Requirement: Carnet Number (#2)
Used in the third of five possible REF segments.

CT Contract Number

Business Requirement: Contract Reference (#4) Used in the first of five possible REF segments.

PX Previous Invoice Number

Business Requirement: Reference to a Previous Invoice (#14) Used in the second of five possible REF segments.

VX Value-Added Tax Registration Number (Europe)

Business Requirement: VAT Fiscal Number (#19) Used in the fourth of five possible REF segments.

REF02 127 Reference Number

C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Recommended by AVNET

REF03 352 Description

C AN 1/80

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

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SEGMENT: N1 Name

LEVEL: Header

LOOP: N1 REPEAT: 200

usage: Optional

MAX USE: 1

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

SYNTAX: 1 At least one of N102 or N103 must be present.

2 If either N103 or N104 is present, then the other is required.

COMMENTS: A 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.

NOTES: This N1 loop can be repeated seven times.

REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M	ID	2/2
		BT Party to be Billed For Other Than Freight(Bill Used in the fifth of seven possible loops.	To)		
		Il Issuer of Invoice Business Requirement: Invoice Issuer (#25) Use for the first of seven possible N1 loops.			
		RB Receiving Bank Business Requirement: Financial Institution (#23) Use for the second of seven possible loops.			
	RE	RE Party to receive commercial invoice remittant Business Requirement: Payment Receiver (#33) Used in the fourth of seven possible loops.	се		
		RF Refinery			
		RM Party that remits payment Business Requirement: Payment Issuer (#32) Used in the third of seven possible loops.			
		SF Ship From Used in the sixth of seven possible loops.			
		ST Ship To Used in the seventh of seven possible loops.			
		•			



N103

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N102 93 Name C AN 1/35
Free-form name.

Not Used by AVNET

66 Identification Code Qualifier C ID 1/2

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

Recommended by AVNET

1 Dun and Bradstreet (Credit Reporting) (DUNS)

3 Federal Maritime Commission (Ocean) (FMC)

4 International Air Transport Association (IATA)

9 DUNS with 4-character suffix

91 Assigned by Seller or Seller's Agent

92 Assigned by Buyer or Buyer's Agent

N104 67 Identification Code C ID 2/17

Code identifying a party.

Recommended by AVNET

SEGMENT: N3 Address Information

LEVEL: Header

LOOP: N1

usage: Optional

MAX USE: 2

PURPOSE: To specify the location of the named party

Data	Elemen	t Sum	marv
Data		Louii	iiiiai v

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
N301	166	Address Information Address information	М	AN	1/35
N302	166	Address Information Address information	0	AN	1/35

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SEGMENT: **N4** Geographic Location

LEVEL: Header

LOOP: N1

usage: Optional

MAX USE: 1

PURPOSE: To specify the geographic place of the named party

ITAX: 1 At least one of N401 or N405 must be present.

2 If N401 is present, then N402 is required.

3 If either N405 or N406 is present, then the other is required.

COMMENTS: **A** A combination of either N401 through N404 (or N405 and N406)

may be adequate to specify a location.

B N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

		Data Licinchi Gammary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
N401	19	City Name Free-form text for city name.	С	AN	2/19
N402	156	State or Province Code Code (Standard State/Province) defined by appropriate government	C ntal a	ID gencie	2/2 es.
N403	116	Postal Code Code defining international postal zone code excluding punctuatio code for United States).	O n and	ID I blank	4/9 s (zip
N404	26	Country Code Code identifying the country.	0	ID	2/2
N405	309	Location Qualifier Code identifying type of location.	0	ID	1/2
N406	310	Location Identifier Code which identifies a specific location.	С	AN	1/25

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SEGMENT: REF Reference Numbers

LEVEL: Header

LOOP: N1

usage: Optional

MAX USE: 12

PURPOSE: To specify identifying numbers.

SYNTAX: 1 Either REF02 or REF03 is required.

NOTES: Used only in the second (Financial Institution) of seven

possible loops.

Data Element Summary								
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES			
REF01	128	Reference Number Qualifier Code qualifying the Reference Number.	M	ID	2/2			
		PY Payee's Financial Institution Account Number Draft or Wire Payments. Receiving Company Number for ACH Transfer.			ck,			
REF02	127	Reference Number Reference number or identification number as defined for a particular, or as specified by the Reference Number Qualifier.	C ılar T	AN ransac	1/30 tion			
		Account Number						
REF03	352	Description A free-form description to clarify the related data elements and the	•	AN ntent.	1/80			
		Not Recommended by AVNET						

SEGMENT:	טוו	Terms of Sale/Deferred Terms of Sale
LEVEL:	Header	
LOOP:		

usage: Optional

MAX USE: 5

PURPOSE: To specify terms of sale.

SYNTAX: 1 If ITD03 is present, then at least one of ITD04, ITD05, ITD13 is

required.

2 If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 $\dot{}$

is required.

3 If ITD09 is present, then ITD10 or ITD11 is required.

COMMENTS: A If the code in ITD01 is 04, then ITD09 is required and either

ITD11 or ITD12 is required. If the code in ITD01 equals 05, then

ITD06 or ITD07 is required.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBU	TES
ITD01	336	Terms Type Code Code identifying type of payment terms.	0	ID	2/2
ITD02	333	Terms Basis Date Code Code identifying the beginning of the terms period.	0	ID	1/2
ITD03	338	Terms Discount Percent Terms discount percentage, expressed as a percent, available to the invoice is paid on or before the Terms Discount Due Date.	O ne pu	R rchase	1/6 er if an
		Recommended by AVNET			
ITD04	370	Terms Discount Due Date Date payment is due if discount is to be earned.	С	DT	6/6
ITD05	351	Terms Discount Days Due Number of days in the terms discount period by which payment is of discount is earned.	C lue if	N0 terms	1/3
		Recommended by AVNET			
ITD06	446	Terms Net Due Date Date when total invoice amount becomes due.	0	DT	6/6
ITD07	386	Terms Net Days Number of days until total invoice amount is due (discount not a ppl	O icabl	N0 e).	1/3
		Recommended by AVNET			
ITD08	362	Terms Discount Amount Total amount of terms discount.	0	N2	1/10
ITD09	388	Terms Deferred Due Date Date deferred payment or percent of invoice payable is due.	0	DT	6/6
ITD10	389	Deferred Amount Due Deferred amount due for payment.	С	N2	1/10



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107 Payment Method Code

Code identifying type of payment procedures.

ITD14

INVOICE	:	ELECTRONIC DA	II A II	NIERC	HANGE
ITD11	342	Percent of Invoice Payable Amount of invoice payable expressed in percent.	С	R	1/5
ITD12	352	Description A free-form description to clarify the related data elements and the	O eir cor	AN ntent.	1/80
ITD13	765	Day of Month The numeric value of the day of the month between 1 and the mamonth being referenced. Not Used by AVNET	C ximur	N0 n day d	1/2 of the

AN AVNET CONVENTION FOR

O ID

1/1

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SEGMENT: **DTM** Date/Time Reference

LEVEL: Header

LOOP:

usage: Optional

MAX USE: 10

PURPOSE: To specify pertinent dates and times

SYNTAX: 1 At least one of DTM02 or DTM03 must be present.

NOTES: This DTM can be repeated up to three times.

Data	Flame	nt Su	mmarv
vala	Ciellie	เน อน	IIIIIII V

REF. DES.	DATA ELEMENT	NAME		ATTRIBU	JTES	
DTM01	374	Date/Time Qualifier	М	ID	3/3	

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

AV1 Tax Point Date

Used for the first occurrence of this DTM segment. ASC X12 Data Maintenance request to be submitted.

090 Report Start

Used for the second occurrence of this DTM segment.

091 Report End

Used for the third occurrence of this DTM segment.

150 Service Period Start

Used for the second occurrence of this DTM segment.

151 Service Period End

Used for the third occurrence of this DTM segment.

DTM02 373 Date C DT 6/6

Date (YYMMDD).

Required by AVNET

DTM03 337 Time C TM 4/4

Time expressed in 24-hour clock time (HHMM, time range: 0000 though 2359).

Not Used by AVNET

DTM04 623 Time Code O ID 2/2

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time. Since + is a restricted character, + and - are substituted by P and M in the codes that follow.

Not Used by AVNET

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SEGMENT: IT1 Baseline Item Data (Invoice)

LEVEL: Detail

LOOP: IT1 REPEAT: 200000

usage: Optional

MAX USE: 1

PURPOSE: To specify the basic and most frequently used line item data for the

invoice and related transactions.

SYNTAX: 1 If IT106 is present, then IT107 is required.

2 If IT108 is present, then IT109 is required.

3 If IT110 is present, then IT111 is required.

4 If IT112 is present, then IT113 is required.

5 If IT114 is present, then IT115 is required.

6 If IT116 is present, then IT117 is required.

7 If IT118 is present, then IT119 is required.

8 If IT120 is present, then IT121 is required.

9 If IT122 is present, then IT123 is required.

10 If IT124 is present, then IT125 is required.

COMMENTS: A Element 235/234 combinations should be interpreted to include

products and/or services. See the Data Dictionary for a

complete list of ID's.

B IT101 is the purchase order line item identification.

C IT106 through IT125 provides for ten (10) different product/service ID's for each item. For example: Case, Color,

Drawing No., UPC No., ISBN No., Model No., SKU.

REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
IT101	350	Assigned Identification Alphanumeric characters assigned for differentiation within a trans	O actio	AN n set.	1/6
IT102	358	Quantity Invoiced Number of units invoiced (supplier units).	М	R	1/10
		Business Requirement: Priced Quantity (#53)			
IT103	355	Unit of Measurement Code Code identifying the basic unit of measurement.	M	ID	2/2
		Recommended by AVNET			
		Business Requirement: Delivery Unit of Measure (#43)			

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IT104	Price per unit of product, service, commodity, of Recommended by AVNET Business Requirement: Delivery Unit of Basis of Unit Price Code Code identifying the type of unit price for an ite Not Used by AVNET IT106 235 Product/Service ID Qualifier Code identifying the type/source of the descrip ID (234). Recommended by AVNET Business Requirement: Product Identifying number for a product or service. Recommended by AVNET IT108 235 Product/Service ID Qualifier Code identifying the type/source of the descrip ID (234).	Unit Price Price per unit of product, service, commodity, etc.	M	R	1/14
		Recommended by AVNET			
		Business Requirement: Delivery Unit of Measure (#43)			
IT105	639	Basis of Unit Price Code Code identifying the type of unit price for an item.	0	ID	2/2
		Not Used by AVNET			
IT106 235		Code identifying the type/source of the descriptive number used in	O Prod	ID luct/Se	2/2 ervice
		Recommended by AVNET			
		Business Requirement: Product Identification (#55)			
IT107	234		С	AN	1/30
		Recommended by AVNET			
IT108	235	Code identifying the type/source of the descriptive number used in	O Prod	ID duct/Se	2/2 ervice
IT109	234	Product/Service ID Identifying number for a product or service.	С	AN	1/30

The ASC X12 003010 segment "IT1" contains sixteen additional data

elements not used by AVNET.

SEGMENT: CUR Currency

LEVEL: Detail LOOP: IT1

usage: Optional

MAX USE: 1

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

transaction

SYNTAX: 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.

COMMENTS:

A Monetary values are assumed to be expressed in the currency of the country of the transaction originator unless the optional CUR segment is used to specify a different currency. The CUR segment also permits the transaction originator to indicate a specific exchange rate, foreign exchange location and date/time as the basis for a currency conversion. Example 1. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the heading area of a transaction, would indicate that all monetary values appearing in the transaction are expressed in Canadian Dollars (CAD). (In this example the exchange rate is at the discretion of the receiver).

CUR*BY*CAD* N/L

Example 2. Assuming the currency of the transaction originator is U.S. dollars, the following CUR segment, when used in the detail area of a transaction, describes a currency conversion for that particular item from U.S. dollars to Canadian dollars. It also indicates that a specific exchange rate, at a specified foreign exchange location on a given date/time be used as the basis for the currency conversion. Notes below the diagram describe the meaning of the element values.

B CUR*BY*USD*1.20*SE*CAD*NY*007*840821*1400 N/L 1 2 3 4

- 1. Identifies the buyer's (BY) currency as U.S. dollars (USD).
- 2. The multiplier (1.20) is the exchange rate factor for the conversion.
- 3. Identifies the seller's (SE) currency as Canadian dollars (CAD).
- 4. Indicates the basis for the exchange rate as the New York Foreign Exchange (NY) and the effective date/time (007) as August 21, 1984 (840821) at 2:00 P.M. (1400).

The value for this item is to be converted to Canadian dollars (CAD) at the exchange rate of 1.20, based on the New York Foreign Exchange (NY) at 2:00 P.M. (1400) on August 21, 1984. The actual unit price conversion for the item would be: The unit price value 7.50 (U.S. dollars) multiplied by the exchange rate (1.20) equals 9.00 Canadian dollars (7.50 X 1.20 = 9.00) CUR07 through CUR21 provide for five (5) dates/times relating to the currency conversion, i.e., effective date, expiration date, etc.

Data Element Summary						
REF. DES.	DATA ELEMENT	NAME		ATTRIBUT	TES	
CUR01	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M	ID	2/2	
		TI Tariff Issuer				
CUR02	100	Currency Code Code (Standard ISO) for country in whose currency the charges are	M e spe	ID ecified.	3/3	
CUR03	280	Exchange Rate Value to be used as a multiplier conversion factor to convert monet one currency to another.	O ary v	R alue fro	4/6 om	
CUR04	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	0	ID	2/2	
		Required by AVNET				
		Il Issuer of Invoice Business Requirement: Invoice Issuer (#25)				
CUR05	100	Currency Code Code (Standard ISO) for country in whose currency the charges are	O e spe	ID ecified.	3/3	
		Required by AVNET				
CUR06	669	Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate	O e is b	ID ased.	3/3	
		The ASC X12 003010 segment "CUR" contains fifteen a elements not used by AVNET.	ddit	ional		

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SEGMENT: IT3 Additional Item Data

LEVEL: Detail LOOP: IT1

usage: Optional

MAX USE: 5

PURPOSE: To specify additional item details relating to variations between

ordered and shipped quantities, or to specify alternate units of

measures and quantities.

SYNTAX: 1 If IT301 is present, then IT302 is required.

2 At least one of IT301, IT303, IT304, or IT305 must be present.

NOTES: The IT3 segment is used to specify additional item details

relating to variations between ordered and shipped quantities, or to specify alternate units of measures and quantities. This segment is ONLY used when gross gallons is different than actual gallons AND state and local taxes are computed on the

gross gallons.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
IT301	382	Number of Units Shipped Numeric value of units shipped in manufacturer's shipping units for transaction set.	C a lin	R e item	1/10 or
IT302	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
		GA Gallon			
		GN Gross Gallons			
IT303	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the dispositio difference between the quantity ordered and the quantity shipped f transaction.			2/2 m or
		Not Used by AVNET			
IT304	383	Quantity Difference Numeric value of variance between ordered and shipped quantities	C	R	1/9
		Not Used by AVNET			
IT305	371	Change Reason Code Code specifying the reason for price or quantity change.	С	ID	2/2
		Not Used by AVNET			

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SEGMENT: TXI Tax Information

LEVEL: Detail

LOOP: IT1

usage: Optional

MAX USE: 10

PURPOSE: To specify tax information.

x: 1 Either TXI02 or TXI03 is required

2 If either TXI04 or TXI05 is present, then the other is required.

COMMENTS: A TXI02 is the monetary amount of the tax.

B TXI03 is the tax percent expressed as a decimal.

C If TXI02 is not used, then the application of the percent (TXI03)

is between trading partners.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
TXI01	963	Tax Type Code Code specifying the type of tax.	М	ID	2/2
		Business Requirement: Tax Type (#133)			
TXI02	782	Monetary Amount Monetary amount.	С	R	1/15
		Business Requirement: Line Tax Value (#131)			
TXI03	954	Percent Percentage expressed as a decimal	С	R	1/10
		Business Requirement: Tax Percentage (#132)			
TXI04	955	Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code	C	ID	2/2
TXI05	956	Tax Jurisdiction Code Code identifying the taxing jurisdiction.	С	AN	1/10

SEGMENT: **MEA** Measurements

LEVEL: Detail

usage: Optional

MAX USE: 40

PURPOSE: To specify physical measurements, including dimensions,

tolerances, weights and counts.

SYNTAX: 1 Either MEA03 or MEA05 or MEA06 or MEA08 is required.

2 If either MEA03, MEA05 or MEA06 is used, MEA04 is required.

3 If MEA07 is used MEA03 is required.

4 Either MEA08 or MEA03 may be used, but not both.

COMMENTS: A When citing dimensional tolerances, any measurement requiring

a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and $\frac{1}{2}$

MEA06 as the positive (+) value.

NOTES: Business Requirement: Measurement Quantity Delivered (#56)

Data Element Summary						
REF. DES.	DATA ELEMENT	NAME		ATTRIB	JTES	
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited.	0	ID	2/2	
		Not Used by AVNET				
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	0	ID	1/3	
		Not Used by AVNET				
MEA03	739	Measurement Value The value of the measurement.	С	R	1/10	
		Recommended by AVNET				
MEA04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2	
		Recommended by AVNET				
		Business Requirement: Delivery Unit of Measure (#43)				
MEA05	740	Range Minimum The value specifying the minimum of the measurement range.	С	R	1/10	
		Not Used by AVNET				
MEA06	741	Range Maximum The value specifying the maximum of the measurement range.	С	R	1/10	
		Not Used by AVNET				



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MEA07 935 Measurement Significance Code O ID 2/2
Code used to benchmark, qualify or further define a measurement value.

Not Used by AVNET

MEA08 936 Measurement Attribute Code C ID 2/2

Code used to express an attribute response when a numeric measurement value cannot be determined.

Not Used by AVNET

MEA09 752 Surface/Layer/Position Code O ID 2/2

Code indicating the product surface, layer or position that is being described.

Not Used by AVNET

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SEGMENT: PID Product/Item Description

LEVEL: Detail

LOOP: IT1/PID REPEAT: 1000

usage: Optional

MAX USE: 1

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

AX: 1 If PID04 is present, then PID03 is required.

2 At least one of PID04 or PID05 must be present.

COMMENTS: A When PID01 is "F", PID04 is not used.

B Use PID03 to indicate the organization that publishes the code list being referred to.

C PID04 should be used for industry-specific product description codes.

D Use PID06 when necessary to refer to the product surface or layer being described in the segment.

NOTES: Business Requirement: Product Identification (#56)

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBU	ITES
PID01	349	Item Description Type Code indicating the format of a description.	М	ID	1/1
PID02	750	Product/Process Characteristic Code Code specifying the product or process characteristic being describ	O ped.	ID	2/3
PID03	559	Association Qualifier Code Code identifying the association assigning the code values.	С	ID	2/2
PID04	751	Product Description Code A code from an industry code list which provides specific data about characteristic.	C ut a p	ID roduct	1/12
PID05	352	Description A free-form description to clarify the related data elements and their	C	AN ntent.	1/80
PID06	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being or	O desc	ID ribed.	2/2

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SEGMENT: **MEA** Measurements

LEVEL: Detail
LOOP: IT1/PID
USAGE: Optional

MAX USE: 10

PURPOSE: To specify physical measurements, including dimensions,

tolerances, weights and counts.

SYNTAX: 1 Either MEA03 or MEA05 or MEA06 or MEA08 is required.

2 If either MEA03, MEA05 or MEA06 is used, MEA04 is required.

3 If MEA07 is used MEA03 is required.

4 Either MEA08 or MEA03 may be used, but not both.

COMMENTS: A When citing dimensional tolerances, any measurement requiring

a sign (+ or -), or any measurement where a positive (+) value cannot be assumed use MEA05 as the negative (-) value and

MEA06 as the positive (+) value.

NOTES: Required if the PID loop is used.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBI	JTES
MEA01	737	Measurement Reference ID Code Code specifying the application of physical measurement cited.	0	ID	2/2
		Not Used by AVNET			
MEA02	738	Measurement Qualifier Code identifying the type of measurement.	0	ID	1/3
		Not Used by AVNET			
MEA03	739	Measurement Value The value of the measurement.	С	R	1/10
		Recommended by AVNET			
MEA04	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
		Recommended by AVNET			
		Business Requirement: Delivery Unit of Measure (#43)			
MEA05	740	Range Minimum The value specifying the minimum of the measurement range.	С	R	1/10
		Not Used by AVNET			
MEA06	741	Range Maximum The value specifying the maximum of the measurement range.	С	R	1/10
		Not Used by AVNET			

AN AVNET CONVENTION FOR ELECTRONIC DATA INTERCHANGE

MEA07 935	935	Measurement Significance Code Code used to benchmark, qualify or further define a measurement	O value	ID e.	2/2
		Not Used by AVNET			
MEA08	936	Measurement Attribute Code Code used to express an attribute response when a numeric meas cannot be determined.	C surem	ID nent va	2/2 lue
		Not Used by AVNET			
MEA09	752	Surface/Layer/Position Code Code indicating the product surface, layer or position that is being	O desc	ID ribed.	2/2
		Not Used by AVNET			

SEGMENT: **PO4** Item Physical Details

LEVEL: Detail LOOP: IT1

usage: Optional

MAX USE: 1

PURPOSE: To specify the physical qualities, packaging, weights and

dimensions relating to the item.

SYNTAX: 1 If PO402 is present, then PO403 is required.

2 If PO405 is present, then at least one of PO406 or PO407 is

required.

3 If PO408 is present, then PO409 is required.

4 If PO413 is present, then at least one of PO410, PO411 or

PO412 is required.

COMMENTS: A PO403 - The "Unit of Measure Code" (Element #355) in this

segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner

pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24;

Element 357 = 12; Element 355 = OZ.

B PO410 defines the unit of measure for PO408, PO409, and

PO410.

NOTES: Used for package products.

Business Requirements: Number of Packages (#51), Package

Measure (#52) and Type of Package (#61).

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	ITES
PO401	356	Pack Number of inner pack units per outer pack unit.	0	N0	1/6
PO402	357	Size Size of supplier units in pack.	0	R	1/8
PO403	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
PO404	103	Packaging Code Code identifying the type of packaging. Part 1. Packaging form. P Material.	O art 2.	ID Pack	5/5 aging
		See Appendix C, Packaging Code List			
PO405	187	Weight Qualifier Code defining the type of weight.	0	ID	1/2
		Not Used by AVNET			

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PO406	384	Gross Weight per Pack Numeric value of gross weight per pack.	С	R	1/9
		Not Used by AVNET			
PO407	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
		Not Used by AVNET			
PO408	385	Gross Volume per Pack Numeric value of gross volume per pack.	0	R	1/9
		Not Used by AVNET			
PO409	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
		Not Used by AVNET			
PO410 82	Length Largest horizontal dimension of an object measured when the object position.	O ect is	R in the	1/8 upright	
		Not Used by AVNET			
PO411	189	Width Shorter measurement of the two horizontal dimensions measured the upright position.	O with t	R he obj	1/8 ect in
		Not Used by AVNET			
PO412	65	Height Vertical dimension of an object measured when the object is in the	O e upriç	R ght po	1/8 sition.
		Not Used by AVNET			
PO413	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
		Not Used by AVNET			

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SEGMENT: REF Reference Numbers

LEVEL: Detail

LOOP: IT1

usage: Optional

MAX USE: >1

PURPOSE: To specify identifying numbers.

SYNTAX: 1 Either REF02 or REF03 is required.

NOTES: This REF segment can be used six times.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIBU	JTES
RFF01	128	Reference Number Qualifier	м	ID	2/2

Recommended by AVNET

Code qualifying the Reference Number.

AF Airlines Flight Identification Number

Business Requirement: Flight Number (#121) Used for the second of six possible REF segments.

BM Bill of Lading Number

Business Requirement: Bill of Lading Number (#1) Used for the sixth of six possible REF segments.

C6 Carnet Number

Business Requirement: Carnet Number (#2)
Used for the fourth of six possible REF segments.

DJ Delivery Ticket Number

Business Requirement: Delivery Ticket Number (#5) Used for the first of six possible REF segments.

EQ Equipment Number

Business Requirement: Company Issued Receiving Equipment Identification (#119)

A company issued receiving equipment ID. Used for the third of six possible REF segments.

VX Value-Added Tax Registration Number (Europe)

Business Requirement: VAT Fiscal Number (#19) Used for the fifth of six possible REF segments.

REF02 127 Reference Number

C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Recommended by AVNET

REF03 352 Description

C AN 1/80

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

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SEGMENT: **DTM** Date/Time Reference

LEVEL: Detail

LOOP: IT1

usage: Optional

MAX USE: 10

PURPOSE: To specify pertinent dates and times

SYNTAX: 1 At least one of DTM02 or DTM03 must be present.

NOTES: This DTM segment can be repeated five times.

Data Element Summary

 REF. DATA DES.
 DATA ELEMENT
 NAME
 ATTRIBUTES

 DTM01
 374
 Date/Time Qualifier
 M ID 3/3

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

Recommended by AVNET

236 Tax Point Date

Business Requirement: Tax Point Date (#79)
ASC X12 Data Maintenance request to be submitted.
Used as the fifth of five possible DTM segments.

007 Effective

Business Requirement: Pricing Date (#75)
Used for the first of five possible DTM segments.

090 Report Start

Business Requirement: Period Start Date (#71) Used for the third of five possible DTM segments.

091 Report End

Business Requirement: Period End Date (#70)
Used for the fourth of five possible DTM segments.

192 Delivery Ticket

Business Requirement: Delivery Ticket Date (#66) Used for the second of five possible DTM segments.

DTM02 373 Date

Date (YYMMDD).

Recommended by AVNET

The ASC X12 003010 segment "DTM" contains two additional data elements not used by AVNET.

C DT

6/6

SEGMENT: CAD Carrier Detail

LEVEL: Detail LOOP: IT1

usage: Optional

MAX USE: >1

PURPOSE: To specify transportation details for the transaction

YNTAX: 1 At least one of CAD05 or CAD04 must be present.

2 If CAD07 is present, then CAD08 is required.

REF. DES.	DATA ELEMENT	NAME		ATTRIBU	ITES
CAD01	91	Transportation Method/Type Code Code specifying the method or type of transportation for the shipmen) t.	ID	1/2
		Recommended by AVNET			
		Business Requirement: Method of Delivery (#129)			
		B Barge			
		J Motor			
		MB Motor (Bulk Carrier)			
		PL Pipeline			
		R Rail			
		S Ocean			
CAD02	206	Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number.)	AN	1/-
		Not Used by AVNET			
CAD03	,	Equipment Number Sequencing or serial part of an equipment unit's identifying number (prom for equipment number is preferred).	-	AN e num	1/ 1 eric
		Not Used by AVNET			
CAD04	140	Standard Carrier Alpha Code Standard Carrier Alpha Code	3	ID	2/
CAD05	387	Routing Free-form description of the routing or requested routing for shipmen originating carrier's identity.	C t, o	AN r the	1/3
		Recommended by AVNET			
CAD06	368	Shipment/Order Status Code Code indicating the status of an order or shipment or the disposition of difference between the quantity ordered and the quantity shipped for transaction.		•	2/ : m or
		Not Used by AVNET			

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CAD07 128 Reference Number Qualifier O ID 2/2
Code qualifying the Reference Number.

CAD08 127 Reference Number O AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

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SEGMENT: ITA Allowance, Charge or Service

LEVEL: Detail

LOOP: IT1/ITA REPEAT: 10

usage: Optional

MAX USE: 1

PURPOSE: To specify allowances, charges or services

1 If ITA02 is present, then at least one of ITA03, or ITA13 is

required.

2 If ITA08 is present, then ITA09 is required.

3 If ITA10 is present, then ITA11 is required.

COMMENTS: A If ITA01 = A-Allowance or C-Charge, then at least one of ITA06,

ITA07, or ITA08 must be present.

B If ITA07 is present with either ITA06 or ITA08, then ITA07 takes

precedence.

C ITA12 is the quantity of free goods.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
ITA01	248	Allowance or Charge Indicator Code which indicates an allowance or charge for the service specifi	M ed.	ID	1/1
		Business Requirement: Allowance/Charge Code (#112)			
ITA02	559	Association Qualifier Code Code identifying the association assigning the code values.	0	ID	2/2
ITA03	560	Special Services Code Code identifying the special service.	С	ID	2/10
ITA04	331	Allowance or Charge Method of Handling Code Code indicating method of handling for an allowance or charge.	M	ID	2/2
ITA05	341	Allowance or Charge Number The number assigned by a vendor referencing an allowance, promonarge.	O otion	AN , deal	1/16 or
ITA06	359	Allowance or Charge Rate Allowance or Charge Rate per Unit.	0	R	1/9
		Business Requirement: Allowance/Charge Rate (#114)			
ITA07	360	Allowance or Charge Total Amount Total dollar amount for the allowance or charge.	0	N2	1/9
ITA08	378	Allowance/ Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calcu	O llate	ID d.	1/1
ITA09	332	Allowance or Charge Percent Allowance or charge expressed as a percent.	С	R	1/6
		Business Requirement: Allowance/Charge Percent (#11	3)		

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NVOICE		

ITA10	339	Allowance or Charge Quantity Quantity basis when allowance or charge quantity is different from toorder or invoice quantity.	O the p	R urchas	1/10 se
ITA11	355	Unit of Measurement Code Code identifying the basic unit of measurement.	С	ID	2/2
ITA12	380	Quantity Numeric value of quantity.	0	R	1/10
ITA13	352	Description A free-form description to clarify the related data elements and their	_	AN tent.	1/80
ITA14	150	Special Charge Code Code identifying type of special charge.	0	ID	3/3

SEGMENT: TXI Tax Information

LEVEL: Detail
LOOP: IT1/ITA
USAGE: Optional

MAX USE: 10

PURPOSE: To specify tax information.

: 1 Either TXI02 or TXI03 is required

2 If either TXI04 or TXI05 is present, then the other is required.

COMMENTS: A TXI02 is the monetary amount of the tax.

B TXI03 is the tax percent expressed as a decimal.

 $\boldsymbol{C}\,$ If TXI02 is not used, then the application of the percent (TXI03)

is between trading partners.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
TXI01	TXI01 963	Tax Type Code Code specifying the type of tax.	M	ID	2/2
		Business Requirement: Tax Type (#133)			
TXI02	782	Monetary Amount Monetary amount.	С	R	1/15
		Business Requirement: Line Tax Value (#131)			
TXI03	954	Percent Percentage expressed as a decimal	С	R	1/10
		Business Requirement: Tax Percentage (#132)			
TXI04	955	Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code	C	ID	2/2
TXI05	956	Tax Jurisdiction Code Code identifying the taxing jurisdiction.	С	AN	1/10

SEGMENT: Name

LEVEL: Detail

LOOP: IT1/N1 REPEAT: 200

usage: Optional

MAX USE: 1

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

SYNTAX: 1 At least one of N102 or N103 must be present.

2 If either N103 or N104 is present, then the other is required.

COMMENTS: A 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.

NOTES: This N1 loop can be repeated four times.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
N101	98	Entity Identifier Code Code identifying an organizational entity or a physical location.	M	ID	2/2
		RC Receiving Location Business Requirement: Receiving Location (#85) Used in the first of four possible loops.			
		SF Ship From Business Requirement: Product Service Deliver (# Used in the second of four possible loops.	34)		
		ST Ship To Business Requirement: Product Service Receiver Used in the third of four possible loops.	(#35)		
N102	93	Name Free-form name.	С	AN	1/35
N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Id (67).	C entific	ID cation	1/2 Code
		Recommended by AVNET			
N104	67	Identification Code Code identifying a party.	С	ID	2/17
		Recommended by AVNET			

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SEGMENT: **N2** Additional Name Information

LEVEL: Detail
LOOP: IT1/N1
USAGE: Optional

MAX USE: 2

PURPOSE: To specify additional names or those longer than 35 characters in

length

	Data Element Summary						
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES		
N201	93	Name Free-form name.	М	AN	1/35		
N202	93	Name Free-form name.	0	AN	1/35		

SEGMENT: N3 Address Information

Address information

LEVEL: Detail
LOOP: IT1/N1
USAGE: Optional

MAX USE: 2

DATA ELEMENT NAME

REF. DES. PURPOSE: To specify the location of the named party

Data Element Summary	
·	
	ATTRIBUTES

N301 166 Address Information M AN 1/35
Address information O AN 1/35

SEGMENT: **N4** Geographic Location

LEVEL: Detail

LOOP: IT1/N1

USAGE: Optional

MAX USE: 1

PURPOSE: To specify the geographic place of the named party

TAX: 1 At least one of N401 or N405 must be present.

2 If N401 is present, then N402 is required.

3 If either N405 or N406 is present, then the other is required.

COMMENTS: A A combination of either N401 through N404 (or N405 and N406)

may be adequate to specify a location.

B N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
N401	19	City Name Free-form text for city name.	С	AN	2/19
N402	156	State or Province Code Code (Standard State/Province) defined by appropriate government	C ntal a	ID igencie	2/2 es.
N403	116	Postal Code Code defining international postal zone code excluding punctuation code for United States).	O n and	ID I blank	4/9 s (zip
N404	26	Country Code Code identifying the country.	0	ID	2/2
N405	309	Location Qualifier Code identifying type of location.	0	ID	1/2
N406	310	Location Identifier Code which identifies a specific location.	С	AN	1/25

SEGMENT: **REF** Reference Numbers

LEVEL: Detail
LOOP: IT1/N1
USAGE: Optional

MAX USE: 12

PURPOSE: To specify identifying numbers.

SYNTAX: 1 Either REF02 or REF03 is required.

NOTES: Business Requirement: Receiving Sub-Location (#86)

Used in the first of four possible N1 loops.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBL	JTES
REF01	REF01 128	Reference Number Qualifier Code qualifying the Reference Number.	M	ID	2/2
		Recommended by AVNET			
REF02	127	Reference Number Reference number or identification number as defined for a particulate, or as specified by the Reference Number Qualifier.	_	AN ransac	1/30 etion
		Recommended by AVNET			
REF03	352	Description	С	AN	1/80

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

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SEGMENT: TDS Total Monetary Value Summary

LEVEL: Summary

LOOP:

usage: Mandatory

MAX USE: 1

PURPOSE: To specify the total invoice discounts and amounts

COMMENTS: A TDS02 is required if the dollar value subject to discount is not

equal to the dollar value of TDS01.

NOTES: Total invoice amount can be done with or without taxes.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIBI	JTES
TDS01	361	Total Invoice Amount Amount of invoice (including charges, less allowances) before terr discount is applicable).	M ns dis	N2 scount	1/10 (if
TDS02	390	Amount Subject to Terms Discount Amount upon which the terms discount amount is calculated.	С	N2	1/10
TDS03	391	Discounted Amount Due Amount of invoice due if paid by terms discount due date (total invamount less cash discount.)	O oice	N2 or insta	1/10 allment
TDS04	362	Terms Discount Amount Total amount of terms discount.	0	N2	1/10

SEGMENT: TXI Tax Information

LEVEL: Summary

LOOP:

usage: Optional

MAX USE: 10

PURPOSE: To specify tax information.

AX: 1 Either TXI02 or TXI03 is required

2 If either TXI04 or TXI05 is present, then the other is required.

COMMENTS: A TXI02 is the monetary amount of the tax.

B TXI03 is the tax percent expressed as a decimal.

C If TXI02 is not used, then the application of the percent (TXI03)

is between trading partners.

NOTES: Total tax amount in invoice currency.

		Data Element Summary			
REF. DES.	DATA ELEMENT	NAME		ATTRIB	UTES
TXI01 963	963	Tax Type Code Code specifying the type of tax.	М	ID	2/2
		VA Value Added Tax			
TXI02	782	Monetary Amount Monetary amount.	С	R	1/15
		Recommended by AVNET			
		Enter the tax amount in the invoice currency.			
TXI03	954	Percent Percentage expressed as a decimal	С	R	1/10
TXI04	955	Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code	C	ID	2/2
		Use TXI04 and TXI05 to identify currency of tax.			
TXI05	956	Tax Jurisdiction Code Code identifying the taxing jurisdiction.	С	AN	1/10

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SEGMENT: CTT Transaction Totals

LEVEL: Summary

LOOP:

usage: Mandatory

MAX USE: 1

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

SYNTAX: 1 If CTT03 is present, then CTT04 is required.

elements not used by AVNET.

2 If CTT05 is present, then CTT06 is required.

COMMENTS: A This segment is intended to provide hash totals to validate

transaction completeness and correctness.

Data Element Summary							
REF. DES.	DATA ELEMENT	NAME		ATTRIBU	ITES		
CTT01	354	Number of Line Items Total number of line items in the transaction set.	M	N0	1/6		
		The ASC X12 003010 segment "CTT" contains six addit	tion	al data	a		

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SEGMENT: SE Transaction Set Trailer

LEVEL: Summary

LOOP:

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).

COMMENTS: A SE is the last segment of each transaction set.

Data Element Summary

		Data Element Summary				
REF. DES.	DATA ELEMENT	r <u>name</u>		ATTRIBUTES		
SE01	96	Number of Included Segments Total number of segments included in a transaction set including segments.	M ST and	N0 d SE	1/6	
SE02	329	Transaction Set Control Number Identifying control number assigned by the originator for a transaction	M ction s	AN et.	4/9	