## 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.\# |
| :--- | :---: |
| 261 | 010 |
| 262 | 020 |
| N/U | 030 |
| 263 | 040 |
| 265 | 050 |
| N/U | 060 |
|  |  |
| 266 | 070 |
| N/U | 080 |
| 268 | 090 |
| 269 | 100 |
| 270 | 110 |
| N/U | 120 |
| 271 | 130 |
| 273 | 140 |
| N/U | 150 |
| N/U | 160 |
| N/U | 170 |
| N/U | 180 |
| N/U | 190 |
| N/U | 200 |


| SEG.ID | name | REQ. des. | max USE | LOOP REPEAT |
| :---: | :---: | :---: | :---: | :---: |
| ST | Transaction Set Header | M | 1 |  |
| BIG | Beginning Segment for Invoice | M | 1 |  |
| NTE | Note/Special Instruction | F | 100 |  |
| CUR | Currency | 0 | 1 |  |
| REF | Reference Numbers | 0 | 12 |  |
| PER | Administrative Communications Contact | 0 | 3 |  |
|  | LOOP ID - N1 |  |  | 200 |
| N1 | Name | 0 | 1 |  |
| N2 | Additional Name Information | 0 | 2 |  |
| N3 | Address Information | 0 | 2 |  |
| N4 | Geographic Location | 0 | 1 |  |
| REF | Reference Numbers | 0 | 12 |  |
| PER | Administrative Communications Contact | 0 | 3 |  |
| ITD | Terms of Sale/Deferred Terms of Sale | 0 | 5 |  |
| DTM | Date/Time Reference | 0 | 10 |  |
| FOB | F.O.B. Related Instructions | 0 | 1 |  |
| PID | Product/ltem Description | 0 | 200 |  |
| MEA | Measurements | 0 | 40 |  |
| PWK | Paperwork | 0 | 25 |  |
| PKG | Marking, Packaging, Loading | 0 | 25 |  |
| L7 | Tariff Reference | 0 | 1 |  |

## Table 2

| PAGE \# | POS.\# |
| :--- | :--- |
|  |  |
| 274 | 010 |
| 276 | 020 |
| 278 | 030 |
| 279 | 040 |
| N/U | 050 |
| 280 | 059 |
|  |  |
| 282 | 060 |
| 283 | 070 |
| N/U | 080 |
| N/U | 090 |
| 285 | 100 |
| N/U | 110 |
| 287 | 120 |
| N/U | 130 |
| N/U | 140 |
| 288 | 150 |
| 289 | 160 |


| SEG. ID | NAME | REQ. DES. | MAX USE | LOOP REPEAT |
| :--- | :--- | ---: | ---: | ---: |
|  | LOOP ID - IT1 |  |  | 200000 |
| IT1 | Baseline Item Data (Invoice) | 0 | 1 |  |
| CUR | Currency | 0 | 1 |  |
| IT3 | Additional Item Data | 0 | 5 |  |
| TXI | Tax Information | 0 | 10 |  |
| CTP | Pricing Information | 0 | 25 |  |
| MEA | Measurements | 0 | 40 |  |
|  | LOOP ID - IT1/PID |  |  |  |
| PID | Product/tem Description | 0 | 1 |  |
| MEA | Measurements | 0 | 10 |  |
| PWK | Paperwork | 0 | 25 |  |
| PKG | Marking, Packaging, Loading | 0 | 25 |  |
| PO4 | Item Physical Details | 0 | 1 |  |
| ITD | Terms of Sale/Deferred Terms of Sale | 0 | 2 |  |
| REF | Reference Numbers | 0 | $>1$ |  |
| PER | Administrative Communications Contact | 0 | 5 |  |
| SDQ | Destination Quantity | 0 | 500 |  |
| DTM | Date/Time Reference | 0 | 10 |  |
| CAD | Carrier Detail | 0 | $>1$ |  |
|  |  |  |  |  |


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N/U | 170 | L7 | Tariff Ref | rence | 0 | $>1$ |  |
|  |  |  | LOOP ID | IT1/ITA |  |  | 10 |
| 291 | 180 | ITA | Allowanc | , Charge or Service | 0 | 1 |  |
| 293 | 190 | TXI | Tax Inform | ation | 0 | 10 |  |
|  |  |  | LOOP ID | - IT1/SLN |  |  | 1000 |
| N/U | 200 | SLN | Subline It | m Detail | 0 | 1 |  |
| N/U | 210 | REF | Referenc | Numbers | 0 | >1 |  |
| N/U | 220 | PID | Product/I | m Description | 0 | 1000 |  |
| N/U | 230 | ITA | Allowanc | , Charge or Service | 0 | 10 |  |
|  |  |  | LOOP ID | - IT1/N1 |  |  | 200 |
| 294 | 240 | N1 | Name |  | 0 | 1 |  |
| 295 | 250 | N2 | Additiona | Name Information | 0 | 2 |  |
| 296 | 260 | N3 | Address | formation | 0 | 2 |  |
| 297 | 270 | N4 | Geograph | ic Location | 0 | 1 |  |
| 298 | 280 | REF | Referenc | Numbers | 0 | 12 |  |
| N/U | 290 | PER | Administr | tive Communications Contact | 0 | 3 |  |

## Table 3

| PAGE\# | POS. $\#$ |
| :--- | :---: |
| 299 | 010 |
| 300 | 020 |
| N/U | 030 |
|  |  |
| N/U | 040 |
| N/U | 050 |
| N/U | 060 |
| 301 | 070 |
| 302 | 080 |


| SEG.ID | NAME | REQ. DES. | MAX USE | LOOP REPEAT |
| :--- | :--- | ---: | ---: | ---: |
| TDS | Total Monetary Value Summary | M | 1 |  |
| TXI | Tax Information | 0 | 10 |  |
| CAD | Carrier Detail | 0 | 1 | 10 |
|  | LOOP ID - ITA |  |  |  |
| ITA | Allowance, Charge or Service | 0 | 1 |  |
| TXI | Tax Information | 0 | 10 |  |
| ISS | Invoice Shipment Summary | 0 | 5 |  |
| CTT | Transaction Totals | $M$ | 1 |  |
| SE | Transaction Set Trailer | $M$ | 1 |  |

# segment: ST Transaction Set Header 

level: Header
LOOP: $\qquad$
usage: Mandatory
max USE: 1
punpose: 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. | deata | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ST01 | 143 | Transaction Set Identifier Code | M | ID | 3/3 |
|  |  | Code uniquely identifying a Transaction Set. |  |  |  |
|  |  | 810 X12.2 Invoice |  |  |  |
| ST02 | 329 | Transaction Set Control Number Identifying control number assigned by the or |  |  | 4/9 |

segment: BIG Beginning Segment for Invoice
level: Header
Loop: $\qquad$
usage: Mandatory
max USE: 1
purpose: To indicate the beginning of an invoice transaction set and to transmit identifying numbers and dates.

сомments: A BIG07 is used only to further define the type of invoice when needed.

## Data Element Summary

| ReF. | data | name | ATTRIBUTES |
| :---: | :---: | :---: | :---: |
| BIG01 | 245 | Invoice Date Invoice Issue Date. | DT 6/6 |
| BIG02 | 76 | Invoice Number <br> Identifying number assigned by issuer. | AN 1/22 |
| BIG03 | 323 | Purchase Order Date <br> Date assigned by the purchaser to Purchase Order. | DT 6/6 |
| BIG04 | 324 | Purchase Order Number <br> Identifying number for Purchase Order assigned by the orderer/purchase. | AN $1 / 22$ <br> er. |
| BIG05 | 328 | Release Number <br> Number identifying a release against a Purchase Order previously place parties involved in the transaction. | AN $1 / 30$ <br> d by the |
| BIG06 | 327 | Change Order Sequence Number <br> Number assigned by the orderer identifying a specific change or revision previously transmitted transaction set. | $\begin{array}{ll}\text { AN } & 1 / 8\end{array}$ |
|  |  | Not Used by AVNET |  |
| BIG07 | 640 | Transaction Type Code <br> Code specifying the type of transaction. | ID 2/2 |
|  |  | Recommended by AVNET |  |
|  |  | CA Cash |  |
|  |  | CO Corrected |  |
|  |  | FB Final Bill |  |
|  |  | PP Prepaid Invoice |  |

## segment: CUR Currency

level: Header
Loop: $\qquad$
usage: Optional
max use: 1
PURPOSE: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
syntax: $\mathbf{1}$ 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.


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

| REE. | data | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| CUR01 | 98 | Entity Identifier Code | M | ID | 2/2 |
|  |  | Code identifying an organizational entity or a physical location. |  |  |  |
| CUR02 | 100 | Currency Code | M ID specified. |  | 3/3 |
|  |  | Code (Standard ISO) for country in whose currency the charges |  |  |  |  |
|  |  | The ASC X12 003010 segment "CUR" contains ninete data elements not used by AVNET. |  |  |  |

# segment: REF Reference Numbers 

level: Header
Loop: $\qquad$
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 | name | ATtributes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Number Qualifier | M | ID | 2/2 |
|  |  | Code qualifying the Reference Number. |  |  |  |
|  |  | BM Bill of Lading Number <br> 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 <br> 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 <br> A free-form descri | C AN content. |  | 1/80 |

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.


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| N102 | 93 | Name <br> Free-form name. | C |  | 1/35 |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Not Used by AVNET |  |  |  |
| N103 | 66 | Identification Code Qualifier <br> Code designating the system/method of code structure used for Iden (67). |  |  | $\begin{aligned} & 1 / 2 \\ & \text { ode } \end{aligned}$ |
|  |  | 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 <br> Code identifying a party. | C | ID | 2/17 |
|  |  | 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 Element Summary

| REF. | ( data | name | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N301 | 166 | Address Information | M | AN | 1/35 |
|  |  | Address information |  |  |  |
| N302 | 166 | Address Information | 0 | AN | 1/35 |
|  |  | Address information |  |  |  |

segment: N4 Geographic Location
level: Header
Loop: N1
usage: Optional
max USE: 1
purpose: To specify the geographic place of the named party
syntax: 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. | ( DATA | name | attributes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N401 | 19 | City Name | C | AN | 2/19 |
|  |  | Free-form text for city name. |  |  |  |
| N402 | 156 | State or Province Code | C | ID | 2/2 |
|  |  | Code (Standard State/Province) defined by appropriate governmental agencies. |  |  |  |
| N403 | 116 | Postal Code | O | ID | 4/9 |
|  |  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States). |  |  |  |
| N404 | 26 | Country Code | 0 | ID | 2/2 |
|  |  | Code identifying the country. |  |  |  |
| N405 | 309 | Location Qualifier | 0 | ID | 1/2 |
|  |  | Code identifying type of location. |  |  |  |
| N406 | 310 | Location Identifier | C | AN | 1/25 |
|  |  | Code which identifies a specific location. |  |  |  |

```
segment: REF Reference Numbers
            level: Header
            Loop: N1
        usage: Optional
        max USE: }1
        pURPOSE: To specify identifying numbers.
        syntax: 1 Either REF02 or REF03 is required.
        nотеs: Used only in the second (Financial Institution) of seven
            possible loops.
```


## Data Element Summary


segment: ITD Terms of Sale/Deferred Terms of Sale
level: Header
LOOP: $\qquad$
usage: Optional
max USE: 5
purpose: To specify terms of sale.
syntax: $\mathbf{1}$ 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 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. | ( DATA | name | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ITD01 | 336 | Terms Type Code <br> 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 <br> Terms discount percentage, expressed as a percent, available invoice is paid on or before the Terms Discount Due Date. | 0 | R <br> rchase | $\begin{gathered} 1 / 6 \\ \text { rif an } \end{gathered}$ |
| Recommended by AVNET |  |  |  |  |  |
| ITD04 | 370 | Terms Discount Due Date Date payment is due if discount is to be earned. | C | DT | 6/6 |
| ITD05 | 351 | Terms Discount Days Due <br> Number of days in the terms discount period by which paymen discount is earned. | C | NO <br> terms | 1/3 |
| Recommended by AVNET |  |  |  |  |  |
| ITD06 | 446 | Terms Net Due Date <br> Date when total invoice amount becomes due. | 0 | DT | 6/6 |
| ITD07 | 386 | Terms Net Days <br> Number of days until total invoice amount is due (discount not | cab | N0 | 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 <br> Date deferred payment or percent of invoice payable is due. | 0 | DT | 6/6 |
| ITD10 | 389 | Deferred Amount Due <br> Deferred amount due for payment. | C | N2 | 1/10 |


segment: DTM Date/Time Reference
level: Header
LOOP: $\qquad$
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 Element Summary


## 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: $\mathbf{1}$ 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.

Data Element Summary


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| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | IT104 | 212 | Unit Price | M | R | 1/14 |
|  |  |  | Price per unit of product, service, commodity, etc. |  |  |  |
|  |  |  | Recommended by AVNET |  |  |  |
|  |  |  | Business Reauirement: Deliverv Unit of Measure (\#43) |  |  |  |
|  | IT105 | 639 | Basis of Unit Price Code | 0 | ID | 2/2 |
|  |  |  | Code identifying the type of unit price for an item. |  |  |  |
|  |  |  | Not Used by AVNET |  |  |  |
|  | IT106 | 235 | Product/Service ID Qualifier 0 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234). |  |  |  |
|  |  |  | Recommended by AVNET |  |  |  |
|  |  | 234 | Business Reauirement: Product Identification (\#55) |  |  |  |
|  | IT107 |  | Product/Service ID <br> Identifying number for a product or service. | C |  | 1/30 |
|  |  |  | Recommended by AVNET |  |  |  |
|  | IT108 | 235 | Product/Service ID Qualifier <br> 0 ID 2/2 Code identifying the type/source of the descriptive number used in Product/Service ID (234). |  |  |  |
|  | IT109 | 234 | Product/Service ID <br> Identifying number for a product or service. | C 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 $\begin{array}{llll}1 & 2 & 3 & 4\end{array}$

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



The place to go for
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: $\mathbf{1}$ 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

| REE. | DATA | NAME | AtTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| IT301 | 382 | Number of Units Shipped | C R 1/10 |  |  |
|  |  | Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set. |  |  |  |
| IT302 | 355 | Unit of Measurement Code | C | ID | 2/2 |
|  |  | Code identifying the basic unit of measurement. |  |  |  |
|  |  | GA Gallon |  |  |  |
|  |  | GN Gross Gallons |  |  |  |
| IT303 | 368 | Shipment/Order Status Code <br> C ID $2 / 2$ <br> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| IT304 | 383 | Quantity Difference | C | R | 1/9 |
|  |  | Numeric value of variance between ordered and shipped quantities. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| IT305 | 371 | Change Reason Code | C | ID | 2/2 |
|  |  | Code specifying the reason for price or quantity change. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |

segment: TXI Tax Information
level: Detail
Loop: IT1
usage: Optional
max USE: 10
purpose: To specify tax information.
syntax: 1 Either TXIO2 or TXI03 is required
2 If either TXI04 or TXI05 is present, then the other is required.
comments: A TXIO2 is the monetary amount of the tax.
B TXIO3 is the tax percent expressed as a decimal.
C If TXIO2 is not used, then the application of the percent (TXI03) is between trading partners.

Data Element Summary

| ReF. | deta | Name | attributes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TXI01 | 963 | Tax Type Code | M | ID | 2/2 |
|  |  | Code specifying the type of tax. |  |  |  |
|  |  | Business Requirement: Tax Type (\#133) |  |  |  |
| TXIO2 | 782 | Monetary Amount <br> Monetary amount. | C | R | 1/15 |
|  |  | Business Requirement: Line Tax Value (\#131) |  |  |  |
| TXI03 | 954 | Percent | C | R | 1/10 |
|  |  | Percentage expressed as a decimal |  |  |  |
|  |  | Business Requirement: Tax Percentage (\#132) |  |  |  |
| TXI04 | 955 | Tax Jurisdiction Code Qualifier | C | ID | 2/2 |
|  |  | Code identifying the source of the data used in tax jurisdiction code. |  |  |  |
| TXI05 | 956 | Tax Jurisdiction Code | C | AN | 1/10 |
|  |  | Code identifying the taxing jurisdiction. |  |  |  |

The place to go for

> segment: MEA Measurements
> level: Detail
> Loop: IT1
> 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.
> соммеnts: 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: Business Requirement: Measurement Quantity Delivered (\#56)

Data Element Summary

| REF. | data | NAME | ATtributes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| MEA01 | 737 | Measurement Reference ID Code | 0 | ID | 2/2 |
|  |  | Code specifying the application of physical measurement cited. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA02 | 738 | Measurement Qualifier | 0 | ID | 1/3 |
|  |  | Code identifying the type of measurement. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA03 | 739 | Measurement Value | C | R | 1/10 |
|  |  | The value of the measurement. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
| MEA04 | 355 | Unit of Measurement Code | C | ID | 2/2 |
|  |  | Code identifying the basic unit of measurement. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
|  |  | Business Reauirement: Deliverv Unit of Measure (\#43) |  |  |  |
| MEA05 | 740 | Range Minimum | C | R | 1/10 |
|  |  | The value specifying the minimum of the measurement range. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA06 | 741 | Range Maximum | C | R | 1/10 |
|  |  | The value specifying the maximum of the measurement range. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |

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| :--- | ---: | ---: |
| ELECTRONIC DATA INTERCHANGE |  | INVOICE |


| MEA07 | 935 | Measurement Significance Code <br> Code used to benchmark, qualify or further define a r easurement value. | 2/2 |
| :---: | :---: | :---: | :---: |
|  |  | Not Used by AVNET |  |
| MEA08 | 936 | Measurement Attribute Code <br> C ID <br> 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 <br> Code indicating the product surface, layer or position that is being described. | 2/2 |
|  |  | Not Used by AVNET |  |

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
syntax: 1 If PID04 is present, then PID03 is required.
2 At least one of PID04 or PID05 must be present.
сомments: 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. | - DATA | name | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PID01 | 349 | Item Description Type | M | ID | 1/1 |
|  |  | Code indicating the format of a description. |  |  |  |
| PID02 | 750 | Product/Process Characteristic Code <br> Code specifying the product or process characteristic being described. |  | ID | 2/3 |
|  |  |  |  |  |  |  |
| PID03 | 559 | Association Qualifier Code | C | ID | 2/2 |
|  |  | Code identifying the association assigning the code values. |  |  |  |
| PID04 | 751 | Product Description Code | p | ID | 1/12 |
|  |  | A code from an industry code list which provides specific data about characteristic. |  | product |  |
| PID05 | 352 | Description | C | AN | 1/80 |
|  |  | A free-form description to clarify the related data elements and their |  |  |  |
| PID06 | 752 | Surface/Layer/Position Code | 0 ID escribed. |  | 2/2 |
|  |  | Code indicating the product surface, layer or position that is being des |  |  |  |  |

## 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.
соммеnts: 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. | ELATA | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| MEA01 | 737 | Measurement Reference ID Code | 0 | ID | 2/2 |
|  |  | Code specifying the application of physical measurement cited. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA02 | 738 | Measurement Qualifier | 0 | ID | 1/3 |
|  |  | Code identifying the type of measurement. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA03 | 739 | Measurement Value | C | R | 1/10 |
|  |  | The value of the measurement. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
| MEA04 | 355 | Unit of Measurement Code | C | ID | 2/2 |
|  |  | Code identifying the basic unit of measurement. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
|  |  | Business Reauirement: Deliverv Unit of Measure (\#43) |  |  |  |
| MEA05 | 740 | Range Minimum | C | R | 1/10 |
|  |  | The value specifying the minimum of the measurement range. |  |  |  |
|  |  | Not Used by AVNET |  |  |  |
| MEA06 | 741 | Range Maximum | C | R | 1/10 |
|  |  | The value specifying the maximum of the measurement range. |  |  |  |
|  |  | 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 PO 408 is present, then PO 409 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.
nотеs: Used for package products.
Business Requirements: Number of Packages (\#51), Package Measure (\#52) and Type of Package (\#61).

Data Element Summary

| ReF. | (inde | name | attributes |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| PO401 | 356 | Pack | 0 | N0 | 1/6 |
|  |  | Number of inner pack units per outer pack unit. |  |  |  |
| PO402 | 357 | Size | 0 | R | 1/8 |
|  |  | Size of supplier units in pack. |  |  |  |
| PO403 | 355 | Unit of Measurement Code | C | ID | 2/2 |
|  |  | Code identifying the basic unit of measurement. |  |  |  |
| PO404 | 103 | Packaging Code | 0 | ID | 5/5 |
|  |  | Code identifying the type of packaging. Part 1. Packaging form. Material. |  |  |  |
|  |  | See Appendix C, Packaging Code List |  |  |  |
| PO405 | 187 | Weight Qualifier <br> Code defining the type of weight. | 0 | ID | 1/2 |

## Not Used by AVNET



## 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.
nотеs: This REF segment can be used six times.

# Data Element Summary 

| ReF. | DATA | name | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Number Qualifier | M | ID | 2/2 |
|  |  | Code qualifying the Reference Number. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
|  |  | AF Airlines Flight Identification Number |  |  |  |
|  |  | Business Requirement: Flight Number (\#121) <br> 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) <br> 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 <br> 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 |  |  | 1/80 |

```
segment: DTM Date/Time Reference
        level: Detail
            Loop: IT1
        usage: Optional
        max USE: }1
        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
    REF.
    DES.
DATA
DES. ELEMENT NAME $\qquad$ ATTRIBUTES $\qquad$
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 C DT 6/6
Date (YYMMDD).

## Recommended by AVNET

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

```
segment: CAD Carrier Detail
    level: Detail
        Loop: IT1
    usage: Optional
max USE: >1
puRPosE: To specify transportation details for the transaction
syntax: 1 At least one of CAD05 or CAD04 must be present.
2 If CAD07 is present, then CAD08 is required.
```


## Data Element Summarv

| REF. | (elata |  | attributes |  |
| :---: | :---: | :---: | :---: | :---: |
| CAD01 | 91 | Transportation Method/Type Code | 0 ID | 1/2 |
|  |  | Code specifying the method or type of transportation for the shipment. |  |  |
|  |  | 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 O AN $1 / 4$ <br> Prefix or alphabetic part of an equipment unit's identifying number.   |  |  |
|  |  | Not Used by AVNET |  |  |
| CAD03 | 207 | Equipment Number <br> Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred). |  |  |
|  |  | Not Used by AVNET |  |  |
| CAD04 | 140 | Standard Carrier Alpha Code <br> Standard Carrier Alpha Code | C ID | 2/4 |
| CAD05 | 387 | Free-form description of the routing or requested routing for shipment, or the originating carrier's identity. |  |  |
|  |  | Recommended by AVNET |  |  |
| CAD06 | 368 | Shipment/Order Status Code $0 \text { ID } 2 / 2$ <br> Code indicating the status of an order or shipment or the disposition of any difference between the quantity ordered and the quantity shipped for a line item or transaction. |  |  |
|  |  | Not Used by AVNET |  |  |


| CAD07 | 128 | Reference Number Qualifier | O | ID | $2 / 2$ |
| :--- | :--- | :--- | :--- | :--- | :--- |

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.


| ITA10 | 339 | Allowance or Charge Quantity <br> Quantity basis when allowance or charge quantity is different from the order or invoice quantity. |  |  | 1/10 |
| :---: | :---: | :---: | :---: | :---: | :---: |
| ITA11 | 355 | Unit of Measurement Code <br> Code identifying the basic unit of measurement. | C | ID | 2/2 |
| ITA12 | 380 | Quantity <br> Numeric value of quantity. | 0 | R | 1/10 |
| ITA13 | 352 | Description <br> A free-form description to clarify the related data elements and their | C |  | 1/80 |
| ITA14 | 150 | Special Charge Code <br> 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.
syntax: 1 Either TXI02 or TXI03 is required
2 If either TXI04 or TXI05 is present, then the other is required.
comments: A TXIO2 is the monetary amount of the tax.
B TXI03 is the tax percent expressed as a decimal.
C If TXIO2 is not used, then the application of the percent (TXI03) is between trading partners.

Data Element Summary

| REE. | Leata | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TXI01 | 963 | Tax Type Code | M | ID | 2/2 |
|  |  | Code specifying the type of tax. |  |  |  |
|  |  | Business Requirement: Tax Type (\#133) |  |  |  |
| TXI02 | 782 | Monetary Amount Monetary amount. | C | R | 1/15 |
|  |  | Business Requirement: Line Tax Value (\#131) |  |  |  |
| TXI03 | 954 | Percent <br> Percentage expressed as a decimal | C | 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. | C | AN | 1/10 |

seament: N1 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 N 103 or N 104 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. | $\xrightarrow{\text { DATA }}$ | NAME | ATtRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N101 | 98 | Entity Identifier Code | M | ID | 2/2 |
|  |  | Code identifying an organizational entity or a physical location. |  |  |  |
|  |  | RC Receiving Location |  |  |  |
|  |  | Business Requirement: Receiving Location (\#85) Used in the first of four possible loops. |  |  |  |
|  |  | SF Ship From |  |  |  |
|  |  | Business Requirement: Product Service Deliver (\#34) Used in the second of four possible loops. |  |  |  |
|  |  | ST Ship To |  |  |  |
|  |  | Business Requirement: Product Service Receiver (\#35) Used in the third of four possible loops. |  |  |  |
| N102 | 93 | Name | C | AN | 1/35 |
|  |  | Free-form name. |  |  |  |
| N103 | 66 | Identification Code Qualifier <br> C ID $1 / 2$ <br> Code designating the system/method of code structure used for Identification Code (67). |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
| N104 | 67 | Identification Code | C | ID | 2/17 |
|  |  | Code identifying a party. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |

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. | $\begin{gathered} \text { DATA } \\ \text { ELEMENT } \end{gathered}$ | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N201 | 93 | Name | M | AN | 1/35 |
|  |  | Free-form name. |  |  |  |
| N202 | 93 | Name | 0 | AN | 1/35 |
|  |  | Free-form name. |  |  |  |

## segment: N3 Address Information

level: Detail
Loop: IT1/N1
usage: Optional
max USE: 2
purpose: To specify the location of the named party

Data Element Summary

| REF. | ( data | name | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N301 | 166 | Address Information | M | AN | 1/35 |
|  |  | Address information |  |  |  |
| N302 | 166 | Address Information | 0 | AN | 1/35 |
|  |  | Address information |  |  |  |

segment: N4 Geographic Location
level: Detail
Loop: IT1/N1
usage: Optional
max USE: 1
PURPOSE: To specify the geographic place of the named party
syntax: 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. | deta | NAME | ATtRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| N401 | 19 | City Name | C | AN | 2/19 |
|  |  | Free-form text for city name. |  |  |  |
| N402 | 156 | State or Province Code | C | ID | 2/2 |
|  |  | Code (Standard State/Province) defined by appropriate governmental agencies. |  |  |  |
| N403 | 116 | Postal Code | 0 | ID | 4/9 |
|  |  | Code defining international postal zone code excluding punctuation and blanks (zip code for United States). |  |  |  |
| N404 | 26 | Country Code | 0 | ID | 2/2 |
|  |  | Code identifying the country. |  |  |  |
| N405 | 309 | Location Qualifier | 0 | ID | 1/2 |
|  |  | Code identifying type of location. |  |  |  |
| N406 | 310 | Location Identifier | C | AN | 1/25 |
|  |  | Code which identifies a specific location. |  |  |  |

```
segment: REF Reference Numbers
        level: Detail
            Loop: IT1/N1
        usage: Optional
        max USE: }1
        pURPOSE: To specify identifying numbers.
        syntax: 1 Either REF02 or REF03 is required.
        nотеs: Business Requirement: Receiving Sub-Location (#86)
                Used in the first of four possible N1 loops.
```

Data Element Summary

| REE. | ( $\begin{gathered}\text { DATA } \\ \text { ELEMENT }\end{gathered}$ | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Number Qualifier | M | ID | 2/2 |
|  |  | Code qualifying the Reference Number. |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
| REF02 | 127 | Reference Number | C AN $1 / 30$ Transaction |  |  |
|  |  | Reference number or identification number as defined for a particula Set, or as specified by the Reference Number Qualifier. |  |  |  |  |  |
|  |  | Recommended by AVNET |  |  |  |
| REF03 | 352 | Description | C | AN | 1/80 |

```
    segment: TDS Total Monetary Value Summary
        level: Summary
        LOOP:
```

$\qquad$

```
        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. | DATA ELEMENT | NAME | ATTRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| TDS01 | 361 | Total Invoice Amount | M | N2 | 1/10 |
|  |  | Amount of invoice (including charges, less allowances) before discount is applicable). | di |  |  |
| TDS02 | 390 | Amount Subject to Terms Discount | C | N2 | 1/10 |
|  |  | Amount upon which the terms discount amount is calculated. |  |  |  |
| TDS03 | 391 | Discounted Amount Due | 0 | N2 | /10 |
|  |  | Amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount.) |  |  |  |
| TDS04 | 362 | Terms Discount Amount | 0 | N2 1/10 |  |
|  |  | Total amount of terms discount. |  |  |  |



```
    segment: CTT Transaction Totals
        level: Summary
        LOOP:
```

$\qquad$

```
        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.
            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 ATTRIBUTES

Total number of line items in the transaction set.
The ASC X12 003010 segment "CTT" contains six additional data elements not used by AVNET.
segment: SE Transaction Set Trailer
level: Summary
LOOP: $\qquad$
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

| REF. | deta | NAME | ATtRIBUTES |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
| SE01 | 96 | Number of Included Segments |  |  | 1/6 |
|  |  | Total number of segments included in a transaction set including ST segments. |  |  |  |
| SE02 | 329 | Transaction Set Control Number | M | AN | 4/9 |

