## Gexpro Guideline for 810-Invoice X12 ANSI <br> Verion 4010

## Functional Group=IN

This Draft Standard for Trial Use contains the format and establishes the data contents of the Invoice Transaction Set (810) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the billing for goods and services provided.

Notes: $\mathbf{N 3} / \mathbf{0 7 0}$ Number of line items (CTT01) is the accumulation of the number of IT1 segments. If used, hash total (CTT02) is the sum of the value of quantities invoiced (IT102) for each IT1 segment.

Heading:

| Pos | Id | Segment Name | Req | $\frac{\text { Max }}{}$ | Repeat | Notes |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
|  |  |  | Usage |  |  |  |
| 010 | ST | Transaction Set Header | M | 1 |  | Must use |
| 020 | BIG | Beginning Segment for Invoice | M | 1 | Must use |  |
| 040 | CUR | Currency | O | 1 | Used |  |


| LOOP ID - N1 |  |  | $\underline{\mathbf{2 0 0}}$ |  |  |
| :---: | :--- | :--- | :--- | :---: | :--- | :--- |
| N1 |  | Name | O | 1 | Must use |
| 090 | N3 | Address Information | O | 2 | Used |
| 100 | N4 | Geographic Location | O | 1 | Used |
| 110 | REF | Reference Identification | O | 12 | Must use |
| 120 | PER | Administrative Communications Contact | O | 3 | Used |
| 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | $>1$ | Used |
| 140 | DTM | Date/Time Reference | O | 10 | Used |

## Detail:

| $\underline{\text { Pos Id }}$ | Segment Name | Req | $\frac{\text { Max }}{\underline{\text { Use }}}$ | $\underline{\text { Repeat }}$ | Notes | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| LOOP ID - IT1 |  |  |  | 200000 |  |  |
| 010 IT1 | Baseline Item Data (Invoice) | M | 1 |  |  | Must use |
| LOOP ID - PID |  |  |  | 1000 |  |  |
| 060 PID | Product/Item Description | O | 1 |  |  | Used |
| 070 MEA | Measurements | O | 10 |  |  | Used |
| 090 PKG | Marking, Packaging, Loading | O | 25 |  |  | Used |
| LOOP ID - SAC |  |  |  | $\underline{25}$ |  |  |
| 180 SAC | Service, Promotion, Allowance, or Charge Information | O | 1 |  |  | Used |
| LOOP ID - SLN |  |  |  | $\underline{1000}$ |  |  |
| 200 SLN | Subline Item Detail | O | 1 |  |  | Used |
| 210 REF | Reference Identification | O | >1 |  |  | Used |
| 230 SAC | Service, Promotion, Allowance, or Charge Info | O | 25 |  |  | Used |

## Summary:

| $\underline{\text { Pos }}$ | $\underline{\text { Id }}$ | $\underline{\text { Segment Name }}$ | $\underline{\text { Req }}$ | $\frac{\text { Max }}{\text { Repeat }}$ | Notes | $\underline{\text { Usage }}$ |
| :--- | :--- | :--- | :---: | :---: | :---: | :---: |
| 010 | TDS | Total Monetary Value Summary |  | $\underline{\text { Use }}$ |  |  |
| 030 | CAD | Carrier Detail | O | 1 | Must use |  |
|  |  |  | Used |  |  |  |


| LOOP ID - SAC |  |  |  |  | $\underline{5}$ |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 040 | SAC | Service, Promotion, Allowance, or Charge Info | O | 1 | Not Used |  |
| 070 | CTT | Transaction Totals | O | 1 | N3/070 | Used |
| 080 | SE | Transaction Set Trailer | M | 1 | Must use |  |

Transaction Set Header

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

## Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

## Element Summary:



To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

## Semantics:

1. BIG01 is the invoice issue date.
2. BIG03 is the date assigned by the purchaser to purchase order.
3. BIG10 indicates the consolidated invoice number. When BIG07 contains code CI, BIG10 is not used.

## Comments:

1. BIG07 is used only to further define the type of invoice when needed.

Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| BIG01 | 373 | Date <br> Description: Date expressed as CCYYMMDD | M | DT | 8/8 | Must use |
|  |  | Mapper Notes: Invoice Date |  |  |  |  |
| BIG02 | 76 | Invoice Number <br> Description: Identifying number assigned by issuer | M | AN | 1/22 | Must use |
|  |  | Mapper Notes: Invoice number can not contain a leading zero |  |  |  |  |
|  |  | Example: 0123456 is not acceptable. |  |  |  |  |
| BIG03 | 373 | Date <br> Description: Date expressed as CCYYMMDD | 0 | DT | 8/8 | Used |
|  |  | Mapper Notes: PO Date |  |  |  |  |
| BIG04 | 324 | Purchase Order Number <br> Description: Identifying number for Purchase Order assigned by the orderer/purchaser | M | AN | 1/22 | Used |
|  |  | Mapper Notes: MANDATORY. |  |  |  |  |
| BIG05 | 328 | Release Number <br> Description: Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction | 0 | AN | 1/30 | Used |
|  |  | Mapper Notes: PO amendment number |  |  |  |  |
| BIG06 | 327 | Change Order Sequence Number <br> Description: Number assigned by the orderer identifying a specific change or revision to a previously transmitted transaction set | 0 | AN | 1/8 | Used |
|  |  | Mapper Notes: PO amendment number. |  |  |  |  |
| BIG07 | 640 | Transaction Type Code <br> Description: Code specifying the type of transaction Code Name | 0 | ID | 2/2 | Used |
|  |  | CR $\overline{\text { Credit Memo }}$ <br> DR Debit Memo |  |  |  |  |

CUR Currency

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

## Syntax:

1. CUR08 C0807 -- If CUR08 is present, then CUR07 is required
2. CUR09 C0907 -- If CUR09 is present, then CUR07 is required
3. CUR10 L101112 -- If CUR10 is present, then at least one of CUR11 or CUR12 is required.
4. CUR11 C1110 -- If CUR11 is present, then CUR10 is required
5. CUR12 C1210 -- If CUR12 is present, then CUR10 is required
6. CUR13 L131415 -- If CUR13 is present, then at least one of CUR14 or CUR15 is required.
7. CUR14 C1413 -- If CUR14 is present, then CUR13 is required
8. CUR15 C1513 -- If CUR15 is present, then CUR13 is required
9. CUR16 L161718 -- If CUR16 is present, then at least one of CUR17 or CUR18 is required.
10. CUR17 C1716 -- If CUR17 is present, then CUR16 is required
11. CUR18 C1816 -- If CUR18 is present, then CUR16 is required
12. CUR19 L192021 -- If CUR19 is present, then at least one of CUR20 or CUR21 is required.
13. CUR20 C2019 -- If CUR20 is present, then CUR19 is required
14. CUR21 C2119 -- If CUR21 is present, then CUR19 is required

## Comments:

1. See Figures Appendix for examples detailing the use of the CUR segment.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| CUR01 | 98 | Entity Identifier Code <br> Description: Code identifying an organizational entity, a physical location, property or an individual <br> Code Name | M | ID | 2/3 | Must use |
|  |  | BY Buying Party (Purchaser) |  |  |  |  |
| CUR02 | 100 | Currency Code <br> Description: Code (Standard ISO) for country in whose currency the charges are specified | M | ID | 3/3 | Must use |
|  |  | Mapper Notes: ISO two character country code |  |  |  |  |
| CUR03 | 280 | Exchange Rate <br> Description: Value to be used as a multiplier conversion factor to convert monetary value from one currency to another | 0 | R | 4/10 | Used |
| CUR04 | 98 | Entity Identifier Code <br> Description: Code identifying an organizational entity, a physical location, property or an individual <br> Code Name | 0 | ID | 2/3 | Used |
|  |  | SE $\overline{S e l l i n g ~ P a r t y ~}^{\text {a }}$ |  |  |  |  |
| CUR05 | 100 | Currency Code <br> Description: Code (Standard ISO) for country in whose currency the charges are specified | 0 | ID | 3/3 | Used |
|  |  | Mapper Notes: ISO Two character code. |  |  |  |  |


| Ref | Id | Element Name |
| :--- | :--- | :--- |
| CUR06 | $\mathbf{6 6 9}$ | Currency Market/Exchange Code <br> Cescription: Code identifying the market upon which the currency <br> exchange rate is based |
| CUR07 | $\mathbf{3 7 4}$ | Date/Time Qualifier <br> Description: Code specifying type of date or time, or both date and time <br> All valid standard codes are used. |
| CUR08 | $\mathbf{3 7 3}$ | Date <br> Description: Date expressed as CCYYMMDD |
| CUR09 | $\mathbf{3 3 7}$ | Time <br> Description: Time expressed in 24-hour clock time as follows: HHMM, |
| or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00- |  |  |


| Req | $\underline{T y p e}$ | $\underline{\text { Min/Max }}$ | Usage |
| :---: | :---: | :---: | :---: | :---: |
| O | ID | $3 / 3$ | Used |

C ID $\quad$ 3/3 Used
O DT 8/8 Used
O TM $4 / 8 \quad$ Used

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

## Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103 P0304 -- If either N103 or N104 are present, then the others are required.

## Comments:

1. This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
2. N105 and N106 further define the type of entity in N101.

Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N101 | 98 | Entity Identifier Code <br> Description: Code identifying an organizational entity, a physical location, property or an individual | M | ID | 2/3 | Must use |
|  |  | Mapper Notes: The ship To address is mandatory whenever the material is indicated as a direct ship by the Gexpro business. |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | $\begin{array}{ll} \text { ST } & \text { Ship To } \\ \text { RE } & \text { Remit To } \end{array}$ |  |  |  |  |
| N102 | 93 | Name | C | AN | 1/60 | Used |
|  |  | Description: Free-form name |  |  |  |  |
| N103 | 66 | Identification Code Qualifier | C | ID | 1/2 | Used |
|  |  | Description: Code designating the system/method of code structure used for Identification Code (67) |  |  |  |  |
|  |  | All valid standard codes are used. |  |  |  |  |
| N104 | 67 | Identification Code | C | AN | 2/80 | Used |
|  |  | Description: Code identifying a party or other code |  |  |  |  |

To specify the location of the named party

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N301 | 166 | Address Information <br> Description: Address information | M | AN | 1/55 | Must use |
| N302 | 166 | Address Information <br> Description: Address information | 0 | AN | 1/55 | Used |

To specify the geographic place of the named party

## Syntax:

1. N406 C0605 -- If N406 is present, then N405 is required

## Comments:

1. A combination of either N 401 through N 404 , or N 405 and N 406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| N401 | 19 | - <br> City Name <br> Description: Free-form text for city name | 0 | AN | 2/30 | Used |
| N402 | 156 | State or Province Code <br> Description: Code (Standard State/Province) as defined by appropriate government agency | 0 | ID | 2/2 | Used |
| N403 | 116 | Postal Code <br> Description: Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | 0 | ID | 3/15 | Used |
| N404 | 26 | Country Code <br> Description: Code identifying the country | 0 | ID | 2/3 | Used |

To specify identifying information

## Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

## Notes:

At least two REF's are expected and are MANDATORY for every invoice sent to Gexpro:
REF01 with the BM qualifier and REF02 containing the Bill of Lading number AND
REF01 with the ZZ qualifier and REF02 containing Gexpro's Vendor assigned AP CODE ( 6 digit alphanumeric number)
All other qualified REF01 listed below outside of above mentioned are optional.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Identification Qualifier | M | ID | 2/3 | Must |
|  |  | Description: Code qualifying the Reference Identification Code Name |  |  |  |  |
|  |  | BC Buyer's Contract Number |  |  |  |  |
|  |  | BM Bill of Lading Number |  |  |  |  |
|  |  | CN Carrier's Reference Number (PRO/Invoice) |  |  |  |  |
|  |  | DK Dock Number |  |  |  |  |
|  |  | ED Export Declaration |  |  |  |  |
|  |  | LS Bar-Coded Serial Number |  |  |  |  |
|  |  | OB Ocean Bill of Lading |  |  |  |  |
|  |  | OI Original Invoice Number |  |  |  |  |
|  |  | PK Packing List Number |  |  |  |  |
|  |  | VM Ward |  |  |  |  |
|  |  | ZZ Mutually Defined |  |  |  |  |
| REF02 | 127 | Reference Identification | C | AN | 1/30 | Used |
|  |  | Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier |  |  |  |  |
| REF03 | 352 | Description | C | AN | 1/80 | Used |
|  |  | Description: A free-form description to clarify the related data elements and their content |  |  |  |  |

Administrative Communications

## Contact

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

## Syntax:

1. PER03 P0304 -- If either PER03 or PER04 are present, then the others are required.
2. PER05 P0506 -- If either PER05 or PER06 are present, then the others are required.
3. PER07 P0708 -- If either PER07 or PER08 are present, then the others are required.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PER01 | 366 | Contact Function Code <br> Description: Code identifying the major duty or responsibility of the person or group named <br> Code Name | M | ID | 2/2 | Must use |
|  |  | $\begin{array}{ll} \text { AD } & \text { Accounting Department } \\ \text { BD } & \text { Buyer Name or Department } \\ \text { IC } & \text { Information Contact } \end{array}$ |  |  |  |  |
| PER02 | 93 | Name <br> Description: Free-form name | 0 | AN | 1/60 | Used |
|  |  | Mapper Notes: For temporary or contract personnel billing the temporary or contract employee's manager should be specified in PER02, with a qualifier of IC in PER01, within the N1*ST loop |  |  |  |  |

Terms of Sale/Deferred Terms of Sale

To specify terms of sale

## Syntax:

. ITD03 L03040513 -- If ITD03 is present, then at least one of ITD04, ITD05 or ITD13 is required.
2. ITD08 L08040513 -- If ITD08 is present, then at least one of ITD04, ITD05 or ITD13 is required.
3. ITD09 L091011 -- If ITD09 is present, then at least one of ITD10 or ITD11 is required.

## Semantics:

1. ITD15 is the percentage applied to a base amount used to determine a late payment charge.

## Comments:

1. If the code in ITD01 is " 04 ", then ITD07 or ITD09 is required and either ITD10 or ITD11 is required; if the code in ITD01 is "05", then ITD06 or ITD07 is required.

## Mapper Notes:

Only the 05,08 , and ZZ codes are valid in ITD01. If the ITD segment is not provided, it will default to standard terms of settlement.
Do not use ITD unless a discount is offered.

## Element Summary:

| Ref | Id | Element Name | $\underline{\text { Req }}$ | Type | $\underline{\text { Min/Max }}$ | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| ITD01 | 336 | Terms Type Code <br> Description: Code identifying type of payment terms <br> Code Name <br> 05 Discount Not Applicable <br> 08 Basic Discount Offered <br> ZZ Mutually Defined | 0 | ID | 2/2 | Used |
| ITD02 | 333 | Terms Basis Date Code <br> Description: Code identifying the beginning of the terms period <br> Code Name <br> 3 Invoice Date | 0 | ID | 1/2 | Used |
| ITD03 | 338 | Terms Discount Percent <br> Description: Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | 0 | R | 1/6 | Used |
| ITD04 | 370 | Terms Discount Due Date <br> Description: Date payment is due if discount is to be earned expressed in format CCYYMMDD | C | DT | 8/8 | Used |
| ITD05 | 351 | Terms Discount Days Due <br> Description: Number of days in the terms discount period by which payment is due if terms discount is earned | C | N0 | 1/3 | Used |
| ITD06 | 446 | Terms Net Due Date | 0 | DT | 8/8 | Used |

Description: Date when total invoice amount becomes due expressed in format CCYYMMDD

| ITD07 | $\mathbf{3 8 6}$ | Terms Net Days <br> Description: Number of days until total invoice amount is due (discount <br> not applicable) | $\mathbf{O}$ | N0 | 1/3 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| Used |  |  |  |  |  |
| ITD08 | $\mathbf{3 6 2}$ | Terms Discount Amount <br> Description: Total amount of terms discount | $\mathbf{O}$ | $\mathbf{N 2}$ | $\mathbf{1 / 1 0}$ |


| Pos: 140 | Max: 10 |
| :---: | :---: |
| Heading | Optional |
| Loop: N/A | Elements: 2 |

To specify pertinent dates and times

## Syntax:

1. DTM02 R020305 -- At least one of DTM02, DTM03 or DTM05 is required.
2. DTM04 C0403 -- If DTM04 is present, then DTM03 is required
3. DTM05 P0506 -- If either DTM05 or DTM06 are present, then the others are required.

## Element Summary:



To specify the basic and most frequently used line item data for the invoice and related transactions

## Syntax:

1. IT102 P020304 -- If either IT102, IT103 or IT104 are present, then the others are required.
2. IT106 P0607 -- If either IT106 or IT107 are present, then the others are required.
3. IT108 P0809 -- If either IT108 or IT109 are present, then the others are required.
4. IT110 P1011 -- If either IT110 or IT111 are present, then the others are required.

## Semantics:

1. IT101 is the purchase order line item identification.

## Comments:

1. Element $235 / 234$ combinations should be interpreted to include products and/or services. See the Data Dictionary for a complete list of IDs.
2. IT106 through IT125 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

MAPPER NOTES: Example of PO Line sent: PO1~001~16~EA~12.71~PE~UI~78656452430~VC~880MP~BP~78033252430
RETURN ON INVOICE AS: IT1~001~16~EA~12.71~PE~UI~78656452430~VC*880MP~BP~78033252430

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| IT101 | 350 | Assigned Identification <br> Description: Alphanumeric characters assigned for differentiation within a transaction set | M | AN | 3/3 | Must Use |
|  |  | Mapper Notes: MANDATORY. Must be the same as purchase order line number sent by Gexpro. EXAMPLE: 001. Must be 3 digits long. |  |  |  |  |
| IT102 | 358 | Quantity Invoiced <br> Description: Number of units invoiced (supplier units) | C | R | 1/10 | Must <br> Use |
| IT103 | 355 | Unit or Basis for Measurement Code <br> Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | C | ID | 2/2 | Must Use |
|  |  | Mapper Notes: Must be the same as purchase order |  |  |  |  |
| IT104 | 212 | All valid standard codes are used. <br> Unit Price <br> Description: Price per unit of product, service, commodity, etc. | C | R | 1/17 | Must Use |
| IT105 | 639 | Basis of Unit Price Code <br> Description: Code identifying the type of unit price for an item | M | ID | 2/2 | Must <br> Use |
|  |  | Mapper Notes: If IT105 is not used, it will default to PE. |  |  |  |  |
|  |  | Code Name <br> HP Price per Hundred <br> NC No Charge |  |  |  |  |

Ref
IT106

IT107

PE Price per Each
TF Per 1000 Feet
TP Price per Thousand

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

Mapper Notes: This is the same qualifier sent in PO106
Code Name
UI $\overline{\text { UPC number }}$

234 Product/Service ID
Description: Identifying number for a product or service
Mapper Notes: This is sent on Gexpro's PO in PO107

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

Mapper Notes: This is the same qualifier sent in PO108
Code Name
VC - Vendor Catalog Number

234 Product/Service ID
Description: Identifying number for a product or service
Mapper Notes: This is sent on Gexpro's PO in PO109

235 Product/Service ID Qualifier
Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234)
Mapper Notes: This is the same qualifier sent in PO110. This is our NAED\#

Code Name
BP Buyer's Part Number

234 Product/Service ID
Description: Identifying number for a product or service
Mapper Notes: This is sent on Gexpro's PO in PO111

C
ID
$2 / 2$
Used
$1 / 48 \quad$ Used

C ID
2/2
Used

C
AN
1/48
Used

C ID
ID
$2 / 2$
Used

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

## Syntax:

1. PID04 C0403 -- If PID04 is present, then PID03 is required
2. PID04 R0405 -- At least one of PID04 or PID05 is required.
3. PID07 C0703 -- If PID07 is present, then PID03 is required
4. PID08 C0804 -- If PID08 is present, then PID04 is required
5. PID09 C0905 -- If PID09 is present, then PID05 is required

## Semantics:

1. Use PID03 to indicate the organization that publishes the code list being referred to.
2. PID04 should be used for industry-specific product description codes.
3. PID08 describes the physical characteristics of the product identified in PID04. A "Y" indicates that the specified attribute applies to this item; an " N " indicates it does not apply. Any other value is indeterminate.
4. PID09 is used to identify the language being used in PID05.

## Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.
2. Use PID06 when necessary to refer to the product surface or layer being described in the segment.
3. PID07 specifies the individual code list of the agency specified in PID03.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PID01 | 349 | Item Description Type <br> Description: Code indicating the format of a description Code Name | M | ID | 1/1 | Must use |
|  |  | F Free-form |  |  |  |  |
| PID02 | 750 | Product/Process Characteristic Code <br> Description: Code identifying the general class of a product or process characteristic | 0 | ID | 2/3 | Used |
| PID03 | 559 | All valid standard codes are used. <br> Agency Qualifier Code <br> Description: Code identifying the agency assigning the code values | C | ID | 2/2 | Used |
| PID04 | 751 | All valid standard codes are used. <br> Product Description Code <br> Description: A code from an industry code list which provides specific data about a product characteristic | C | AN | 1/12 | Used |
| PID05 | 352 | Description <br> Description: A free-form description to clarify the related data elements and their content | C | AN | 1/80 | Used |

To specify physical measurements or counts, including dimensions, tolerances, variances, and weights(See Figures Appendix for example of use of C001)

## Syntax:

1. MEA03 R03050608 -- At least one of MEA03, MEA05, MEA06 or MEA08 is required.
2. MEA05 C0504 -- If MEA05 is present, then MEA04 is required
3. MEA06 C0604 -- If MEA06 is present, then MEA04 is required
4. MEA07 L07030506 -- If MEA07 is present, then at least one of MEA03, MEA05 or MEA06 is required.
5. MEA08 E0803 -- Only one of MEA08 or MEA03 may be present.

## Semantics:

1. MEA04 defines the unit of measure for MEA03, MEA05, and MEA06.

## Comments:

1. 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.

## Element Summary:

| Ref | Id | Element Name | $\underline{\text { Req }}$ | Type | $\underline{\text { Min/Max }}$ | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MEA01 | 737 | Measurement Reference ID Code | 0 | ID | 2/2 | Used |
|  |  | Description: Code identifying the broad category to which a measurement applies <br> Code Name |  |  |  |  |
|  |  | PD Physical Dimensions |  |  |  |  |
| MEA02 | 738 | Measurement Qualifier | 0 | ID | 1/3 | Used |
|  |  | Description: Code identifying a specific product or process characteristic to which a measurement applies |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | GG $\overline{\text { Gauge }}$ |  |  |  |  |
|  |  | LN Length |  |  |  |  |
|  |  | WD Width |  |  |  |  |
| MEA03 | 739 | Measurement Value | C | R | 1/20 | Used |
|  |  | Description: The value of the measurement |  |  |  |  |
| MEA04 | C001 | Composite Unit of Measure | C | Comp |  | Used |
|  |  | Description: To identify a composite unit of measure(See Figures Appendix for examples of use) |  |  |  |  |
|  | 355 | Unit or Basis for Measurement Code | M | ID | 2/2 | Must |
|  |  | Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken |  |  |  |  |
|  |  | Mapper Notes: Per GXS 12.00 |  |  |  |  |
|  |  | All valid standard codes are used. |  |  |  |  |
| MEA05 | 740 | Range Minimum | C | R | 1/20 | Used |
|  |  | Description: The value specifying the minimum of the measurement range |  |  |  |  |


| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| MEA06 | 741 | Range Maximum | C | R | 1/20 | Used |
|  |  | Description: The value specifying the maximum of the measurement range |  |  |  |  |

To describe marking, packaging, loading, and unloading requirements

## Syntax:

1. PKG04 R040506 -- At least one of PKG04, PKG05 or PKG06 is required.
2. PKG04 C0403 -- If PKG04 is present, then PKG03 is required
3. PKG05 C0501 -- If PKG05 is present, then PKG01 is required

## Semantics:

1. PKG04 should be used for industry-specific packaging description codes.

## Comments:

1. Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
2. If PKG01 equals " F ", then PKG05 is used. If PKG01 equals " S ", then PKG04 is used. If PKG01 equals "X", then both PKG04 and PKG05 are used.
3. Use PKG03 to indicate the organization that publishes the code list being referred to.
4. Special marking or tagging data can be given in PKG05 (description).

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PKG01 | 349 | Item Description Type | C | ID | 1/1 | Used |
|  |  | Description: Code indicating the format of a description Code Name |  |  |  |  |
|  |  | S $\quad \overline{\text { Structured (From Industry Code List) }}$ |  |  |  |  |
| PKG02 | 753 | Packaging Characteristic Code | 0 | ID | 1/5 | Used |
|  |  | Description: Code specifying the marking, packaging, loading and related characteristics being described <br> Code Name |  |  |  |  |
|  |  | $67 \overline{\text { Tagging/Bar Code Instructions }}$ |  |  |  |  |
| PKG03 | 559 | Agency Qualifier Code | C | ID | 2/2 | Used |
|  |  | Description: Code identifying the agency assigning the code values All valid standard codes are used. |  |  |  |  |
| PKG04 | 754 | Packaging Description Code | C | AN | 1/7 | Used |
|  |  | Description: A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product |  |  |  |  |
| PKG05 | 352 | Description | C | AN | 1/80 | Used |
|  |  | Description: A free-form description to clarify the related data elements and their content |  |  |  |  |

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge $* * * * * * * * * * * *$ NOT USED BY GEXPRO ${ }^{* * * * * * * * * * * * * ~}$

## Syntax:

1. SAC02 R0203 -- At least one of SAC02 or SAC03 is required.
2. SAC03 P0304 -- If either SAC03 or SAC04 are present, then the others are required.
3. SAC06 P0607 -- If either SAC06 or SAC07 are present, then the others are required.
4. SAC09 P0910 -- If either SAC09 or SAC10 are present, then the others are required.
5. SAC11 C1110 -- If SAC11 is present, then SAC10 is required
6. SAC13 L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. SAC14 C1413 -- If SAC14 is present, then SAC13 is required
8. SAC16 C1615 -- If SAC16 is present, then SAC15 is required

## Semantics:

1. If SAC01 is "A" or " C ", then at least one of $\mathrm{SAC} 05, \mathrm{SAC} 07$, or SAC 08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

## Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular al lowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SAC01 | 248 | Allowance or Charge Indicator | M | ID | 1/1 | Must |
|  |  | Description: Code which indicates an allowance or charge for the service specified <br> Code Name |  |  |  | use |
|  |  | $\begin{array}{ll} \text { A } & \text { Allowance } \\ \text { C } & \text { Charge } \end{array}$ |  |  |  |  |
| SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code | C | ID | 4/4 | Used |
|  |  | Description: Code identifying the service, promotion, allowance, or charge |  |  |  |  |
|  |  | Mapper Notes: Mandatory if this segment is used. |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | C880 Expediting Premium |  |  |  |  |
|  |  | D240 Freight |  |  |  |  |
|  |  | E190 Labor Charges |  |  |  |  |
|  |  | F910 Quantity Discount |  |  |  |  |

559 Agency Qualifier Code
Description: Code identifying the agency assigning the code values
Mapper Notes: Mandatory if this segment is used.
Code Name
AX -̄ $N$ SI Accredited Standards Committee, X12

610 Amount
Description: Monetary amount
Mapper Notes: Mandatory if this segment is used.

331 Allowance or Charge Method of Handling Code
Description: Code indicating method of handling for an allowance or charge
All valid standard codes are used.
770
Option Number
O AN $\quad \mathbf{1 / 2 0} \quad$ Used
Description: A unique number identifying available promotion or allowance options when more than one is offered

To specify product subline detail item data

## Syntax:

1. SLN04 P0405 -- If either SLN04 or SLN05 are present, then the others are required.
2. SLN07 C0706 -- If SLN07 is present, then SLN06 is required
3. SLN08 C0806 -- If SLN08 is present, then SLN06 is required
4. SLN09 P0910 -- If either SLN09 or SLN10 are present, then the others are required.
5. SLN11 P1112 -- If either SLN11 or SLN12 are present, then the others are required.
6. SLN13 P1314 -- If either SLN13 or SLN14 are present, then the others are required.
7. SLN15 P1516 -- If either SLN15 or SLN16 are present, then the others are required.
8. SLN17 P1718 -- If either SLN17 or SLN18 are present, then the others are required.
9. SLN19 P1920 -- If either SLN19 or SLN20 are present, then the others are required.
10. SLN21 P2122 -- If either SLN21 or SLN22 are present, then the others are required.
11. SLN23 P2324 -- If either SLN23 or SLN24 are present, then the others are required.
12. SLN25 P2526 -- If either SLN25 or SLN26 are present, then the others are required.
13. SLN27 P2728 -- If either SLN27 or SLN28 are present, then the others are required.

## Semantics:

1. SLN01 is the identifying number for the subline item.
2. SLN02 is the identifying number for the subline level. The subline level is analogous to the level code used in a bill of materials.
3. SLN03 is the configuration code indicating the relationship of the subline item to the baseline item.
4. SLN08 is a code indicating the relationship of the price or amount to the associated segment.

## Comments:

1. See the Data Element Dictionary for a complete list of IDs.
2. SLN01 is related to (but not necessarily equivalent to) the baseline item number. Example: 1.1 or 1 A might be used as a subline number to relate to baseline number 1.
3. SLN09 through SLN28 provide for ten different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

## Mapper Notes:

The purpose of the SLN segment in a Gexpro Invoice is to give a breakdown of information relating to that base-line item.
Do not use the SLN loop unless specifically requested by Gexpro.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SLN01 | 350 | Assigned Identification <br> Description: Alphanumeric characters assigned for differentiation within a transaction set | M | AN | 1/20 | Must use |
|  |  | Mapper Notes: Example: 1.1 or 1A might be used as a subline number or relate as a derivative of base-line number. |  |  |  |  |
| SLN02 | 350 | Assigned Identification <br> Description: Alphanumeric characters assigned for differentiation within a transaction set | O | AN | 1/20 | Used |
| SLN03 | 662 | Relationship Code <br> Description: Code indicating the relationship between entities All valid standard codes are used. | M | ID | 1/1 | Must use |


| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SLN04 | 380 | Quantity <br> Description: Numeric value of quantity | C | R | 1/15 | Used |
| SLN05 | C001 | Composite Unit of Measure <br> Description: To identify a composite unit of measure(See Figures Appendix for examples of use) | C | Comp |  | Used |
|  | 355 | Unit or Basis for Measurement Code <br> Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken $\text { Mapper Notes: Per GXS pub } 12.00$ | M | ID | 2/2 | Must use |
| SLN06 | 212 | All valid standard codes are used. <br> Unit Price <br> Description: Price per unit of product, service, commodity, etc. | C | R | 1/17 | Used |
| SLN07 | 639 | Basis of Unit Price Code <br> Description: Code identifying the type of unit price for an item All valid standard codes are used. | 0 | ID | 2/2 | Used |
| SLN08 | 662 | Relationship Code <br> Description: Code indicating the relationship between entities All valid standard codes are used. | 0 | ID | 1/1 | Used |
| SLN09 | 235 | Product/Service ID Qualifier <br> Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234) <br> All valid standard codes are used. | C | ID | 2/2 | Used |
| SLN10 | 234 | Product/Service ID <br> Description: Identifying number for a product or service | C | AN | 1/48 | Used |

To specify identifying information

## Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

## Semantics:

1. REF04 contains data relating to the value cited in REF02.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| REF01 | 128 | Reference Identification Qualifier <br> Description: Code qualifying the Reference Identification | M | ID | 2/3 | Must use |
| REF02 | 127 | All valid standard codes are used. <br> Reference Identification <br> Description: Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | C | AN | 1/30 | Used |
| REF03 | 352 | Description <br> Description: A free-form description to clarify the related data elements and their content | C | AN | 1/80 | Used |

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

## Syntax:

1. SAC02 R0203 -- At least one of SAC02 or SAC03 is required.
2. SAC03 P0304 -- If either SAC03 or SAC04 are present, then the others are required.
3. SAC06 P0607 -- If either SAC06 or SAC07 are present, then the others are required.
4. SAC09 P0910 -- If either SAC09 or SAC10 are present, then the others are required.
5. SAC11 C1110 -- If SAC11 is present, then SAC10 is required
6. SAC13 L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. SAC14 C1413 -- If SAC14 is present, then SAC13 is required
8. SAC16 C1615 -- If SAC16 is present, then SAC15 is required

## Semantics:

1. If SAC01 is "A" or " C ", then at least one of $\mathrm{SAC} 05, \mathrm{SAC} 07$, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

## Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

## Element Summary:



SAC05

559 Agency Qualifier Code
Description: Code identifying the agency assigning the code values
Mapper Notes: Mandatory if this segment is used.
Code Name
AX -̄ ANSI Accredited Standards Committee, X12

610 Amount
Description: Monetary amount

331 Allowance or Charge Method of Handling Code
Description: Code indicating method of handling for an allowance or charge
All valid standard codes are used.

## 770 Option Number

Description: A unique number identifying available promotion or allowance options when more than one is offered

To specify the total invoice discounts and amounts

## Semantics:

1. TDS01 is the total amount of invoice (including charges, less allowances) before terms discount (if discount is applicable).
2. TDSO2 indicates the amount upon which the terms discount amount is calculated.
3. TDS03 is the amount of invoice due if paid by terms discount due date (total invoice or installment amount less cash discount).
4. TDS04 indicates the total amount of terms discount.

## Comments:

1. TDS02 is required if the dollar value subject to discount is not equal to the dollar value of TDS01.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| TDS01 | 610 | Amount <br> Description: Monetary amount | M | N2 | 1/15 | Must use |
| TDS02 | 610 | Amount <br> Description: Monetary amount | 0 | N2 | 1/15 | Used |
|  |  | Mapper Notes: Use only if discount is offered (ITD01 $=08$ ) and the amount that can be discounted is not equal to the total invoice amount (TDS01) after trade discount, but before cash discount. |  |  |  |  |

To specify transportation details for the transaction

## Syntax:

1. CAD05 R0504 -- At least one of CAD05 or CAD04 is required.
2. CAD07 C0708 -- If CAD07 is present, then CAD08 is required

## Element Summary:

| Ref | Id | Element Name |
| :---: | :---: | :--- |
| CAD04 | $\mathbf{1 4 0}$ | Standard Carrier Alpha Code <br> Description: Standard Carrier Alpha Code |
| CAD05 | 387 | Routing <br> Description: Free-form description of the routing or requested routing for <br> shipment, or the originating carrier's identity |
| Mapper Notes: Specify the origin carrier's name and, if available, its <br> SCAC code. |  |  |


| Req | Type | Min/Max | Usage_ |
| :---: | :---: | :---: | :---: |
| C | ID | $2 / 4$ | Used |
| C | AN | $1 / 35$ | Used |

Service, Promotion, Allowance, or Charge Information

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

## Syntax:

1. SAC02 R0203 -- At least one of SAC02 or SAC03 is required.
2. SAC03 P0304 -- If either SAC03 or SAC04 are present, then the others are required.
3. SAC06 P0607 -- If either SAC06 or SAC07 are present, then the others are required.
4. SAC09 P0910 -- If either SAC09 or SAC10 are present, then the others are required.
5. SAC11 C1110 -- If SAC11 is present, then SAC10 is required
6. SAC13 L130204 -- If SAC13 is present, then at least one of SAC02 or SAC04 is required.
7. SAC14 C1413 -- If SAC14 is present, then SAC13 is required
8. SAC16 C1615 -- If SAC16 is present, then SAC15 is required

## Semantics:

1. If SAC01 is "A" or " C ", then at least one of SAC 05 , SAC07, or SAC08 is required.
2. SAC05 is the total amount for the service, promotion, allowance, or charge.
3. If SAC05 is present with SAC07 or SAC08, then SAC05 takes precedence.
4. SAC08 is the allowance or charge rate per unit.
5. SAC10 and SAC11 is the quantity basis when the allowance or charge quantity is different from the purchase order or invoice quantity.
6. SAC10 and SAC11 used together indicate a quantity range, which could be a dollar amount, that is applicable to service, promotion, allowance, or charge.
7. SAC13 is used in conjunction with SAC02 or SAC04 to provide a specific reference number as identified by the code used.
8. SAC14 is used in conjunction with SAC13 to identify an option when there is more than one option of the promotion.
9. SAC16 is used to identify the language being used in SAC15.

## Comments:

1. SAC04 may be used to uniquely identify the service, promotion, allowance, or charge. In addition, it may be used in conjunction to further the code in SAC02.
2. In some business applications, it is necessary to advise the trading partner of the actual dollar amount that a particular allowance, charge, or promotion was based on to reduce ambiguity. This amount is commonly referred to as "Dollar Basis Amount". It is represented in the SAC segment in SAC10 using the qualifier "DO" - Dollars in SAC09.

## Mapper Notes:

This SAC segment is only accepted for Drop Ship Orders. Freight and misc charges are not accepted on invoices of stock orders. The identifying difference is that AA is at the end of our PO for drop ships.

## Element Summary:

| Ref | Id | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SAC01 | 248 | Allowance or Charge Indicator | M | ID | 1/1 | Must use |
|  |  | Description: Code which indicates an allowance or charge for the service specified |  |  |  |  |
|  |  | Code Name |  |  |  |  |
|  |  | A Allowance |  |  |  |  |
|  |  | C Charge |  |  |  |  |
| SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code | C | ID | 4/4 | Used |
|  |  | Description: Code identifying the service, promotion, allowance, or charge |  |  |  |  |

Mapper Notes: Mandatory if this segment is used
Code Name
D240 Freight
H750 Tax - Sales Tax (State and Local)

C
Description: Code identifying the agency assigning the code values
Mapper Notes: Mandatory if this segment is used
Code Name
AX ĀNSI Accredited Standards Committee, X12

610 Amount
Description: Monetary amount
Mapper Notes: Mandatory if this segment is used.
$\begin{array}{llll}\mathrm{O} & \mathrm{N} 2 & 1 / 15 & \text { Used }\end{array}$

O ID 2/2 Used

Description: Code indicating method of handling for an allowance or charge
All valid standard codes are used.
770 Option Number
Description: A unique number identifying available promotion or allowance options when more than one is offered

## Transaction Totals

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

## Syntax:

1. CTT03 P0304 -- If either CTT03 or CTT04 are present, then the others are required.
2. CTT05 P0506 -- If either CTT05 or CTT06 are present, then the others are required.

## Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

## Element Summary:

| Ref | Id | Element Name |
| :---: | :---: | :---: |
| CTT01 | 354 | Number of Line Items <br> Description: Total number of line items in the transaction set |
|  |  | Mapper Notes: Number of line items (CTT01) is the accumulation of the number of IT1 segments. |
| CTT02 | 347 | Hash Total <br> Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.Example:-. 0018 First occurrence of value beinghashed.. 18 Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.--------- 1855 Hash total prior to truncation. 855 Hash total after truncation tothree-digit field. |
|  |  | Mapper Notes: If used, hash total (CTT02) is the sum of the values of quantity invoiced (ITA01) for each IT1 segment and free goods (ITA12) for each ITA segment. |


| Req | Type | Min/Max | Usage_ |
| :---: | :---: | :---: | :---: | :--- |
| M | N0 | $1 / 6$ | Must <br> use |

O R $\quad \mathbf{1} 10 \quad$ Used
Description: Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the Second occurrence of value beinghashed.1.8 Third occurrence of value beinghashed.18.01 Fourth occurrence of value beinghashed.---------1855 Hash total prior to truncation. 855 Hash total after truncation tothree-digit

Mapper Notes: If used, hash total (CTT02) is the sum of the values of quantity invoiced (ITA01) for each IT1 segment and free goods (ITA12) for each ITA segment.

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:

1. SE is the last segment of each transaction set.

## Element Summary:

| Ref | $\underline{\text { Id }}$ | Element Name | Req | Type | Min/Max | Usage |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| SE01 | 96 | Number of Included Segments <br> Description: Total number of segments included in a transaction set including ST and SE segments | M | N0 | 1/10 | Must use |
| SE02 | 329 | Transaction Set Control Number <br> Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | M | AN | 4/9 | Must use |

