

832 Price/Sales Catalog

Functional Group ID=**SC**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Price/Sales Catalog Transaction Set (832) 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 furnishing or requesting the price of goods or services in the form of a catalog.

Heading:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|--------------|-----------------|----------------|---|------------------|----------------|--------------------|---------------------------|
| M | 010 | ST | Transaction Set Header | M | 1 | | |
| M | 020 | BCT | Beginning Segment for Price/Sales Catalog | M | 1 | | |
| | 040 | CTP | Pricing Information | O | 100 | | |
| | 050 | REF | Reference Identification | O | >1 | | |
| | 055 | YNQ | Yes/No Question | O | 10 | | |
| | 060 | PER | Administrative Communications Contact | O | >1 | | |
| | 070 | DTM | Date/Time Reference | O | 10 | | |
| | 080 | CTB | Restrictions/Conditions | O | 25 | | |
| | 090 | CUR | Currency | O | 5 | | |
| | 110 | ITD | Terms of Sale/Deferred Terms of Sale | O | 2 | | |
| | 120 | LDT | Lead Time | O | >1 | | |
| | 130 | SAC | Service, Promotion, Allowance, or Charge Information | O | >1 | | |
| | 133 | TD1 | Carrier Details (Quantity and Weight) | O | >1 | | |
| | 134 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | >1 | | |
| | 135 | TD3 | Carrier Details (Equipment) | O | >1 | | |
| | 136 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | >1 | | |
| | 140 | FOB | F.O.B. Related Instructions | O | 1 | | |
| | 142 | PKG | Marking, Packaging, Loading | O | >1 | | |
| | 145 | G93 | Price Bracket Identification | O | 50 | | |
| | 146 | TXI | Tax Information | O | >1 | | |
| | 147 | AAA | Request Validation | O | 1 | | |
| LOOP ID - N1 | | | | | | >1 | |
| | 150 | N1 | Name | O | 1 | | |
| | 160 | N2 | Additional Name Information | O | 2 | | |
| | 170 | N3 | Address Information | O | 2 | | |
| | 180 | N4 | Geographic Location | O | >1 | | |
| | 190 | REF | Reference Identification | O | 12 | | |
| | 195 | PKG | Marking, Packaging, Loading | O | >1 | | |
| | 200 | PER | Administrative Communications Contact | O | >1 | | |
| | 201 | DTM | Date/Time Reference | O | 10 | | |
| LOOP ID - LM | | | | | | >1 | |
| | 210 | LM | Code Source Information | O | 1 | | |
| M | 220 | LQ | Industry Code | M | >1 | | |
| LOOP ID - N9 | | | | | | >1 | |

| | | | | |
|-----|-----|--------------------------|---|----|
| 230 | N9 | Reference Identification | O | 1 |
| 240 | DTM | Date/Time Reference | O | >1 |

Detail:

| <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|-----------------|----------------|---|------------------|----------------|--------------------|---------------------------|
| LOOP ID - LIN | | | | | | >1 |
| 010 | LIN | Item Identification | O | 1 | | |
| 012 | PO1 | Baseline Item Data | O | 1 | | |
| 015 | G53 | Maintenance Type | O | 1 | | n1 |
| 025 | SI | Service Characteristic Identification | O | >1 | | |
| 030 | DTM | Date/Time Reference | O | 10 | | |
| 040 | REF | Reference Identification | O | >1 | | |
| 045 | YNQ | Yes/No Question | O | 10 | | |
| 050 | PER | Administrative Communications Contact | O | >1 | | |
| 055 | CRD | Content Reporting Detail | O | >1 | | |
| 060 | CTB | Restrictions/Conditions | O | 25 | | |
| 070 | PID | Product/Item Description | O | 200 | | |
| 080 | MEA | Measurements | O | 40 | | |
| 090 | PKG | Marking, Packaging, Loading | O | 25 | | |
| 100 | PO4 | Item Physical Details | O | 1 | | |
| 107 | TD1 | Carrier Details (Quantity and Weight) | O | >1 | | |
| 108 | TD5 | Carrier Details (Routing Sequence/Transit Time) | O | >1 | | |
| 109 | TD3 | Carrier Details (Equipment) | O | >1 | | |
| 110 | TD4 | Carrier Details (Special Handling, or Hazardous Materials, or Both) | O | >1 | | |
| 130 | ITD | Terms of Sale/Deferred Terms of Sale | O | 2 | | |
| 140 | LDT | Lead Time | O | 1 | | |
| 150 | SAC | Service, Promotion, Allowance, or Charge Information | O | >1 | | |
| 160 | FOB | F.O.B. Related Instructions | O | 1 | | |
| 164 | AAA | Request Validation | O | 1 | | |
| 165 | TC2 | Commodity | O | 2 | | |
| 166 | TXI | Tax Information | O | >1 | | |
| 168 | G55 | Item Characteristics - Consumer Unit | O | 1 | | |
| 169 | G54 | Module Description | O | 1 | | |
| LOOP ID - CTP | | | | | | 100 |
| 170 | CTP | Pricing Information | O | 1 | | |
| 175 | G40 | Bracket Price | O | 99 | | |
| 180 | DTM | Date/Time Reference | O | 10 | | |
| 182 | G36 | Price List Reference | O | 1 | | |
| 190 | LDT | Lead Time | O | 1 | | |
| 200 | CUR | Currency | O | 5 | | |
| 210 | PO4 | Item Physical Details | O | 1 | | |
| 220 | CTB | Restrictions/Conditions | O | 5 | | |
| 225 | REF | Reference Identification | O | >1 | | |
| 227 | G43 | Promotion/Price List Area | O | 9999 | | |
| 228 | SAC | Service, Promotion, Allowance, or Charge Information | O | >1 | | |
| 229 | G26 | Pricing Conditions | O | 99 | | |
| LOOP ID - N1 | | | | | | >1 |
| 230 | N1 | Name | O | 1 | | |

| | | | | | |
|---|-----|-----|--|---|----|
| | 240 | N2 | Additional Name Information | O | 2 |
| | 250 | N3 | Address Information | O | 2 |
| | 260 | N4 | Geographic Location | O | 1 |
| | 270 | REF | Reference Identification | O | 12 |
| | 280 | PER | Administrative Communications Contact | O | >1 |
| | 281 | DTM | Date/Time Reference | O | 10 |
| | 282 | PKG | Marking, Packaging, Loading | O | >1 |
| | | | LOOP ID - G39 | | >1 |
| | 283 | G39 | Item Characteristics - Vendor's Selling Unit | O | 1 |
| | 284 | CTP | Pricing Information | O | 1 |
| | | | LOOP ID - PKL | | 20 |
| | 285 | PKL | Multi-Pack Configuration | O | 1 |
| | 290 | CTP | Pricing Information | O | 1 |
| | 295 | PKG | Marking, Packaging, Loading | O | 2 |
| | | | LOOP ID - LFG | | 1 |
| | 300 | LFG | Hazardous Information, Finished Goods | O | 1 |
| | | | LOOP ID - CRC | | >1 |
| | 310 | CRC | Conditions Indicator | O | 1 |
| | 320 | QTY | Quantity | O | 1 |
| | | | LOOP ID - LM | | >1 |
| M | 330 | LM | Code Source Information | O | 1 |
| | 340 | LQ | Industry Code | M | >1 |
| | | | LOOP ID - SLN | | >1 |
| | 350 | SLN | Subline Item Detail | O | 1 |
| | 360 | SI | Service Characteristic Identification | O | >1 |
| | 370 | PID | Product/Item Description | O | >1 |
| | 380 | DTM | Date/Time Reference | O | >1 |
| | 390 | CTP | Pricing Information | O | >1 |
| | 400 | PAM | Period Amount | O | >1 |
| | 410 | PO4 | Item Physical Details | O | >1 |
| | 420 | PKG | Marking, Packaging, Loading | O | >1 |
| | 430 | QTY | Quantity | O | >1 |
| | 440 | MEA | Measurements | O | >1 |
| | 450 | SAC | Service, Promotion, Allowance, or Charge Information | O | >1 |
| | 460 | MTX | Text | O | >1 |
| | | | LOOP ID - LM | | >1 |
| M | 470 | LM | Code Source Information | O | 1 |
| | 480 | LQ | Industry Code | M | >1 |
| | | | LOOP ID - N9 | | >1 |
| | 490 | N9 | Reference Identification | O | 1 |
| | 500 | DTM | Date/Time Reference | O | >1 |

Summary:

| | <u>Pos. No.</u> | <u>Seg. ID</u> | <u>Name</u> | <u>Req. Des.</u> | <u>Max.Use</u> | <u>Loop Repeat</u> | <u>Notes and Comments</u> |
|---|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| | 010 | CTT | Transaction Totals | O | 1 | | n2 |
| M | 020 | SE | Transaction Set Trailer | M | 1 | | |

Transaction Set Notes

1. If BCT10 is used and G5301 is used, then the G5301 takes precedence.
2. Number of line items (CTT01) is the accumulation of the number of LIN segments. Hash total (CTT02) is not used in this transaction.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | ST01 | 143 | Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| M | ST02 | 329 | Transaction Set Control Number 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 |

Segment: **BCT** Beginning Segment for Price/Sales Catalog
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of the Price/Sales Catalog Transaction Set and specify catalog purpose and number information

Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | BCT01 | 683 | Catalog Purpose Code Code indicating purpose of catalog Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | BCT02 | 684 | Catalog Number Identifying number for catalog or superseded catalog | O AN 1/15 |
| | BCT03 | 685 | Catalog Version Number Identifying version number of catalog or superseded catalog | O AN 1/15 |
| | BCT04 | 686 | Catalog Revision Number Identifying revision number of catalog or superseded catalog | O AN 1/6 |
| | BCT05 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | BCT06 | 684 | Catalog Number Identifying number for catalog or superseded catalog | O AN 1/15 |
| | BCT07 | 685 | Catalog Version Number Identifying version number of catalog or superseded catalog | O AN 1/15 |
| | BCT08 | 686 | Catalog Revision Number Identifying revision number of catalog or superseded catalog | O AN 1/6 |
| | BCT09 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |
| | BCT10 | 353 | Transaction Set Purpose Code Code identifying purpose of transaction set Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |

Segment: **CTP Pricing Information**
Position: 040
Loop:
Level: Heading
Usage: Optional
Max Use: 100
Purpose: To specify pricing information
Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| CTP01 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| CTP03 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M | C00101 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | C00102 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00103 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00104 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00105 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00106 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00107 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | O ID 2/2 |

| | | | |
|---------------|-------------|--|------------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP06 | 648 | Price Multiplier Qualifier | O ID 3/3 |
| | | Code indicating the type of price multiplier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP07 | 649 | Multiplier | X R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP08 | 782 | Monetary Amount | O R 1/18 |
| | | Monetary amount | |
| CTP09 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP10 | 499 | Condition Value | O AN 1/10 |
| | | Identifies rate restrictions or provisions | |
| CTP11 | 289 | Multiple Price Quantity | O N0 1/2 |
| | | Quantity of units for a given price, e.g., 3 for \$10.00 | |

Segment: **REF** Reference Identification
Position: 050
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | REF04 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | C04005 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04006 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

Segment: **YNQ** Yes/No Question
Position: 055
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes:
1 Only one of YNQ01 YNQ09 or YNQ10 may be present.
2 If either YNQ03 or YNQ04 is present, then the other is required.
3 If YNQ09 is present, then YNQ08 is required.

Semantic Notes:
1 YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
2 YNQ10 contains a free-form question when codified questions are not available.

Comments:

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| | YNQ01 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| M | YNQ02 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | YNQ03 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | YNQ04 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |
| | YNQ05 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ06 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ07 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ08 | 1270 | Code List Qualifier Code Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | YNQ09 | 1271 | Industry Code Code indicating a code from a specific industry code list | X AN 1/30 |
| | YNQ10 | 933 | Free-Form Message Text Free-form message text | X AN 1/264 |

Segment: **PER** Administrative Communications Contact
Position: 060
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | PER01 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | PER02 | 93 | Name Free-form name | O AN 1/60 |
| | PER03 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER04 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER05 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER06 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER07 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER08 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER09 | 443 | Contact Inquiry Reference Additional reference number or description to clarify a contact number | O AN 1/20 |

Segment: **DTM** Date/Time Reference
Position: 070
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **CTB** Restrictions/Conditions
Position: 080
Loop:
Level: Heading
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:

- 1 At least one of CTB02 CTB04 or CTB06 is required.
- 2 If either CTB03 or CTB04 is present, then the other is required.
- 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | CTB01 | 688 | Restrictions/Conditions Qualifier Code identifying the type of restriction/condition Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | CTB02 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | CTB03 | 673 | Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | CTB04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | CTB05 | 522 | Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | CTB06 | 610 | Amount Monetary amount | X N2 1/15 |

Segment: **CUR** Currency
Position: 090
Loop:
Level: Heading
Usage: Optional
Max Use: 5
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments:

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | CUR01 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | CUR02 | 100 | Currency Code Code (Standard ISO) for country in whose currency the charges are specified | M ID 3/3 |
| | CUR03 | 280 | Exchange Rate Value to be used as a multiplier conversion factor to convert monetary value from one currency to another | O R 4/10 |
| | CUR04 | 98 | Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/3 |
| | CUR05 | 100 | Currency Code Code (Standard ISO) for country in whose currency the charges are specified | O ID 3/3 |
| | CUR06 | 669 | Currency Market/Exchange Code Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 3/3 |
| | CUR07 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| | CUR08 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |
| | CUR09 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | O TM 4/8 |

| | | | |
|--------------|------------|---|-----------------|
| CUR10 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR11 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR12 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR13 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR14 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR15 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR16 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR17 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR18 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR19 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR20 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR21 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |

| | |
|------------------------|---|
| Segment: | ITD Terms of Sale/Deferred Terms of Sale |
| Position: | 110 |
| Loop: | |
| Level: | Heading |
| Usage: | Optional |
| Max Use: | 2 |
| Purpose: | To specify terms of sale |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If ITD03 is present, then at least one of ITD04 ITD05 or 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 at least one of ITD10 or ITD11 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 1 ITD15 is the percentage applied to a base amount used to determine a late payment charge. |
| Comments: | <ol style="list-style-type: none"> 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. |

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| ITD01 | 336 | Terms Type Code | O ID 2/2 |
| | | Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values. | |
| ITD02 | 333 | Terms Basis Date Code | O ID 1/2 |
| | | Code identifying the beginning of the terms period Refer to 004010 Data Element Dictionary for acceptable code values. | |
| ITD03 | 338 | Terms Discount Percent | O R 1/6 |
| | | Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | |
| ITD04 | 370 | Terms Discount Due Date | X DT 8/8 |
| | | Date payment is due if discount is to be earned expressed in format CCYYMMDD | |
| ITD05 | 351 | Terms Discount Days Due | X N0 1/3 |
| | | Number of days in the terms discount period by which payment is due if terms discount is earned | |
| ITD06 | 446 | Terms Net Due Date | O DT 8/8 |
| | | Date when total invoice amount becomes due expressed in format CCYYMMDD | |
| ITD07 | 386 | Terms Net Days | O N0 1/3 |
| | | Number of days until total invoice amount is due (discount not applicable) | |
| ITD08 | 362 | Terms Discount Amount | O N2 1/10 |
| | | Total amount of terms discount | |
| ITD09 | 388 | Terms Deferred Due Date | O DT 8/8 |
| | | Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD | |
| ITD10 | 389 | Deferred Amount Due | X N2 1/10 |
| | | Deferred amount due for payment | |
| ITD11 | 342 | Percent of Invoice Payable | X R 1/5 |
| | | Amount of invoice payable expressed in percent | |
| ITD12 | 352 | Description | O AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| ITD13 | 765 | Day of Month | X N0 1/2 |
| | | The numeric value of the day of the month between 1 and the maximum day of the month being referenced | |
| ITD14 | 107 | Payment Method Code | O ID 1/2 |
| | | Code identifying type of payment procedures | |

ITD15 **954** Refer to 004010 Data Element Dictionary for acceptable code values.
Percent **O R 1/10**
Percentage expressed as a decimal

Segment: **LDT** Lead Time
Position: 120
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|--------------------|-----------------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | LDT01 | 345 | Lead Time Code Code indicating the time range Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | LDT02 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| M | LDT03 | 344 | Unit of Time Period or Interval Code indicating the time period or interval Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LDT04 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Syntax Notes:

- 1 At least one of SAC02 or SAC03 is required.
- 2 If either SAC03 or SAC04 is present, then the other is required.
- 3 If either SAC06 or SAC07 is present, then the other is required.
- 4 If either SAC09 or SAC10 is present, then the other is required.
- 5 If SAC11 is present, then SAC10 is required.
- 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
- 7 If SAC14 is present, then SAC13 is required.
- 8 If SAC16 is present, then SAC15 is required.

Semantic Notes:

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | SAC01 | 248 | Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 4/4 |
| | SAC03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | SAC04 | 1301 | Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge | X AN 1/10 |
| | SAC05 | 610 | Amount Monetary amount | O N2 1/15 |
| | SAC06 | 378 | Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated | X ID 1/1 |

| | | | | |
|--------------|------------|--|----------|----------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC07 | 332 | Percent | X | R 1/6 |
| | | Percent expressed as a percent | | |
| SAC08 | 118 | Rate | O | R 1/9 |
| | | Rate expressed in the standard monetary denomination for the currency specified | | |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC10 | 380 | Quantity | X | R 1/15 |
| | | Numeric value of quantity | | |
| SAC11 | 380 | Quantity | O | R 1/15 |
| | | Numeric value of quantity | | |
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID 2/2 |
| | | Code indicating method of handling for an allowance or charge | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC13 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| SAC14 | 770 | Option Number | O | AN 1/20 |
| | | A unique number identifying available promotion or allowance options when more than one is offered | | |
| SAC15 | 352 | Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| SAC16 | 819 | Language Code | O | ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | | |

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 133
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:

- 1 If TD101 is present, then TD102 is required.
- 2 If TD103 is present, then TD104 is required.
- 3 If TD106 is present, then TD107 is required.
- 4 If either TD107 or TD108 is present, then the other is required.
- 5 If either TD109 or TD110 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|---|-------------------|
| TD101 | 103 | Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | O AN 3/5 |
| TD102 | 80 | Lading Quantity Number of units (pieces) of the lading commodity | X N0 1/7 |
| TD103 | 23 | Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| TD104 | 22 | Commodity Code Code describing a commodity or group of commodities | X AN 1/30 |
| TD105 | 79 | Lading Description Description of an item as required for rating and billing purposes | O AN 1/50 |
| TD106 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| TD107 | 81 | Weight Numeric value of weight | X R 1/10 |
| TD108 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD109 | 183 | Volume Value of volumetric measure | X R 1/8 |
| TD110 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

| | |
|------------------------|---|
| Segment: | TD5 Carrier Details (Routing Sequence/Transit Time) |
| Position: | 134 |
| Loop: | |
| Level: | Heading |
| Usage: | Optional |
| Max Use: | >1 |
| Purpose: | To specify the carrier and sequence of routing and provide transit time information |
| Syntax Notes: | <ol style="list-style-type: none"> 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required. 2 If TD502 is present, then TD503 is required. 3 If TD507 is present, then TD508 is required. 4 If TD510 is present, then TD511 is required. 5 If TD513 is present, then TD512 is required. 6 If TD514 is present, then TD513 is required. 7 If TD515 is present, then TD512 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 1 TD515 is the country where the service is to be performed. |
| Comments: | <ol style="list-style-type: none"> 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502. |

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| TD501 | 133 | Routing Sequence Code | O ID 1/2 |
| | | Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD502 | 66 | Identification Code Qualifier | X ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD503 | 67 | Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |
| TD504 | 91 | Transportation Method/Type Code | X ID 1/2 |
| | | Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD505 | 387 | Routing | X AN 1/35 |
| | | Free-form description of the routing or requested routing for shipment, or the originating carrier's identity | |
| TD506 | 368 | Shipment/Order Status Code | X ID 2/2 |
| | | 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 Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD507 | 309 | Location Qualifier | O ID 1/2 |
| | | Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD508 | 310 | Location Identifier | X AN 1/30 |
| | | Code which identifies a specific location | |
| TD509 | 731 | Transit Direction Code | O ID 2/2 |
| | | The point of origin and point of direction Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD510 | 732 | Transit Time Direction Qualifier | O ID 2/2 |
| | | Code specifying the value of time used to measure the transit time Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|--------------|------------|--|-----------------|
| TD511 | 733 | Transit Time | X R 1/4 |
| | | The numeric amount of transit time | |
| TD512 | 284 | Service Level Code | X ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD513 | 284 | Service Level Code | X ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD514 | 284 | Service Level Code | O ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD515 | 26 | Country Code | O ID 2/3 |
| | | Code identifying the country | |

Segment: **TD3** Carrier Details (Equipment)
Position: 135
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes:

- 1 Only one of TD301 or TD310 may be present.
- 2 If TD302 is present, then TD303 is required.
- 3 If TD304 is present, then TD305 is required.
- 4 If either TD305 or TD306 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|--------------|-----------------|--|------------|
| TD301 | 40 | Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD302 | 206 | Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number | O AN 1/4 |
| TD303 | 207 | Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | X AN 1/10 |
| TD304 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| TD305 | 81 | Weight Numeric value of weight | X R 1/10 |
| TD306 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD307 | 102 | Ownership Code Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| TD308 | 407 | Seal Status Code Code indicating condition of door seal upon arrival Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| TD309 | 225 | Seal Number Unique number on seal used to close a shipment | O AN 2/15 |
| TD310 | 24 | Equipment Type Code identifying equipment type | X ID 4/4 |

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 136
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.
2 If TD402 is present, then TD403 is required.
Semantic Notes: 1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|---|-------------------|
| TD401 | 152 | Special Handling Code Code specifying special transportation handling instructions Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| TD402 | 208 | Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| TD403 | 209 | Hazardous Material Class Code Code specifying the kind of hazard for a material | X AN 1/4 |
| TD404 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| TD405 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **FOB** F.O.B. Related Instructions
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:

- 1 If FOB03 is present, then FOB02 is required.
- 2 If FOB04 is present, then FOB05 is required.
- 3 If FOB07 is present, then FOB06 is required.
- 4 If FOB08 is present, then FOB09 is required.

Semantic Notes:

- 1 FOB01 indicates which party will pay the carrier.
- 2 FOB02 is the code specifying transportation responsibility location.
- 3 FOB06 is the code specifying the title passage location.
- 4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| Des. | Element | | |
| M | FOB01 | 146 Shipment Method of Payment | M ID 2/2 |
| | | Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB02 | 309 Location Qualifier | X ID 1/2 |
| | | Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB03 | 352 Description | O AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| | FOB04 | 334 Transportation Terms Qualifier Code | O ID 2/2 |
| | | Code identifying the source of the transportation terms Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB05 | 335 Transportation Terms Code | X ID 3/3 |
| | | Code identifying the trade terms which apply to the shipment transportation responsibility Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB06 | 309 Location Qualifier | X ID 1/2 |
| | | Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB07 | 352 Description | O AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| | FOB08 | 54 Risk of Loss Code | O ID 2/2 |
| | | Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | FOB09 | 352 Description | X AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |

Segment: **PKG** Marking, Packaging, Loading
Position: 142
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **G93 Price Bracket Identification**
Position: 145
Loop:
Level: Heading
Usage: Optional
Max Use: 50
Purpose: To identify price bracket values
Syntax Notes: 1 If either G9302 or G9303 is present, then the other is required.
Semantic Notes: 1 G9302 is the bracket value in terms of minimum quantity or weight as specified in G9303.
2 G9308 defines if freight is included in the price of products in the price bracket. A "Y" indicates freight is included in the price of products in the price bracket; an "N" indicates it is not included.
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| G9301 | 417 | Price Bracket Identifier Identifier assigned by the vendor for a specific price bracket | O AN 1/3 |
| G9302 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| G9303 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| G9304 | 369 | Free-form Description Free-form descriptive text | O AN 1/45 |
| G9305 | 91 | Transportation Method/Type Code Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| G9306 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 3/3 |
| G9307 | 306 | Action Code Code indicating type of action Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| G9308 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **TXI Tax Information**
Position: 146
Loop:
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | TXI01 | 963 Tax Type Code Code specifying the type of tax Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | TXI02 | 782 Monetary Amount Monetary amount | X R 1/18 |
| | TXI03 | 954 Percent Percentage expressed as a decimal | X R 1/10 |
| | TXI04 | 955 Tax Jurisdiction Code Qualifier Code identifying the source of the data used in tax jurisdiction code Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | TXI05 | 956 Tax Jurisdiction Code Code identifying the taxing jurisdiction | X AN 1/10 |
| | TXI06 | 441 Tax Exempt Code Code identifying exemption status from sales and use tax Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| | TXI07 | 662 Relationship Code Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| | TXI08 | 828 Dollar Basis For Percent Dollar basis to be used in the percent calculation of the allowance, charge or tax | O R 1/9 |
| | TXI09 | 325 Tax Identification Number Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number | O AN 1/20 |
| | TXI10 | 350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O AN 1/20 |

Segment: **AAA Request Validation**
Position: 147
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the validity of the request and indicate follow-up action authorized
Syntax Notes:
Semantic Notes: 1 AAA01 designates whether the request is valid or invalid. Code "Y" indicates that the code is valid; code "N" indicates that the code is invalid.
Comments: 1 If AAA02 is used, AAA03 contains a code from an industry code list.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|--|-------------------|
| M | AAA01 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | AAA02 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | AAA03 | 901 | Reject Reason Code Code assigned by issuer to identify reason for rejection Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | AAA04 | 889 | Follow-up Action Code Code identifying follow-up actions allowed Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **N1** Name
Position: 150
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.

Data Element Summary

| Ref. | Data Element | Name | Attributes |
|------|--------------|--|------------------|
| M | N101 | 98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | N102 | 93 Name Free-form name | X AN 1/60 |
| | N103 | 66 Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| | N104 | 67 Identification Code Code identifying a party or other code | X AN 2/80 |
| | N105 | 706 Entity Relationship Code Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | N106 | 98 Entity Identifier Code Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/3 |

Segment: N2 Additional Name Information
Position: 160
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|--------------------|-----------------------|------------------------|-------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | N201 | 93 | Name Free-form name | M AN 1/60 |
| | N202 | 93 | Name Free-form name | O AN 1/60 |

Segment: N3 Address Information
Position: 170
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | N301 | 166 | Address Information Address information | M AN 1/55 |
| | N302 | 166 | Address Information Address information | O AN 1/55 |

Segment: **N4 Geographic Location**
Position: 180
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|--|-------------------|
| N401 | 19 | City Name Free-form text for city name | O AN 2/30 |
| N402 | 156 | State or Province Code Code (Standard State/Province) as defined by appropriate government agency | O ID 2/2 |
| N403 | 116 | Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O ID 3/15 |
| N404 | 26 | Country Code Code identifying the country | O ID 2/3 |
| N405 | 309 | Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| N406 | 310 | Location Identifier Code which identifies a specific location | O AN 1/30 |

Segment: **REF** Reference Identification
Position: 190
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | REF04 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | C04005 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04006 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

Segment: **PKG** Marking, Packaging, Loading
Position: 195
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **PER** Administrative Communications Contact
Position: 200
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | PER01 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | PER02 | 93 | Name Free-form name | O AN 1/60 |
| | PER03 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER04 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER05 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER06 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER07 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER08 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER09 | 443 | Contact Inquiry Reference Additional reference number or description to clarify a contact number | O AN 1/20 |

Segment: **DTM** Date/Time Reference
Position: 201
Loop: N1 Optional
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **LM** Code Source Information
Position: 210
Loop: LM Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | LM01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LM02 | 822 | Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier | O AN 1/15 |

Segment: **LQ** Industry Code
Position: 220
Loop: LM Optional
Level: Heading
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|--|-------------------|
| LQ01 | 1270 | Code List Qualifier Code Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/3 |
| LQ02 | 1271 | Industry Code Code indicating a code from a specific industry code list | X AN 1/30 |

Segment: **N9 Reference Identification**
Position: 230
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | N901 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | N903 | 369 | Free-form Description Free-form descriptive text | X AN 1/45 |
| | N904 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |
| | N905 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | N906 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | N907 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

| | | | | |
|---------------|------------|---|----------|----------------|
| C04005 | 128 | Reference Identification Qualifier | X | ID 2/3 |
| | | Code qualifying the Reference Identification | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| C04006 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |

Segment: **DTM** Date/Time Reference
Position: 240
Loop: N9 Optional
Level: Heading
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|------------|
| <u>Des.</u> | <u>Element</u> | | |
| M | DTM01 | 374 Date/Time Qualifier | M ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM02 | 373 Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| | DTM03 | 337 Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| | DTM04 | 623 Time Code | O ID 2/2 |
| | | Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM05 | 1250 Date Time Period Format Qualifier | X ID 2/3 |
| | | Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM06 | 1251 Date Time Period | X AN 1/35 |
| | | Expression of a date, a time, or range of dates, times or dates and times | |

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basic item identification data
Syntax Notes:

- 1 If either LIN04 or LIN05 is present, then the other is required.
- 2 If either LIN06 or LIN07 is present, then the other is required.
- 3 If either LIN08 or LIN09 is present, then the other is required.
- 4 If either LIN10 or LIN11 is present, then the other is required.
- 5 If either LIN12 or LIN13 is present, then the other is required.
- 6 If either LIN14 or LIN15 is present, then the other is required.
- 7 If either LIN16 or LIN17 is present, then the other is required.
- 8 If either LIN18 or LIN19 is present, then the other is required.
- 9 If either LIN20 or LIN21 is present, then the other is required.
- 10 If either LIN22 or LIN23 is present, then the other is required.
- 11 If either LIN24 or LIN25 is present, then the other is required.
- 12 If either LIN26 or LIN27 is present, then the other is required.
- 13 If either LIN28 or LIN29 is present, then the other is required.
- 14 If either LIN30 or LIN31 is present, then the other is required.

Semantic Notes:

- 1 LIN01 is the line item identification

Comments:

- 1 See the Data Dictionary for a complete list of IDs.
- 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|--|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> | |
| | LIN01 | 350 | Assigned Identification | O AN 1/20 |
| | | | Alphanumeric characters assigned for differentiation within a transaction set | |
| M | LIN02 | 235 | Product/Service ID Qualifier | M ID 2/2 |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| M | LIN03 | 234 | Product/Service ID | M AN 1/48 |
| | | | Identifying number for a product or service | |
| | LIN04 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | LIN05 | 234 | Product/Service ID | X AN 1/48 |
| | | | Identifying number for a product or service | |
| | LIN06 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | LIN07 | 234 | Product/Service ID | X AN 1/48 |
| | | | Identifying number for a product or service | |
| | LIN08 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | LIN09 | 234 | Product/Service ID | X AN 1/48 |
| | | | Identifying number for a product or service | |

| | | | | |
|--------------|------------|--|----------|----------------|
| LIN10 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN11 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN12 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN13 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN14 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN15 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN16 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN17 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN18 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN19 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN20 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN21 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN22 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN23 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN24 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN25 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN26 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN27 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

| | | | | |
|--------------|------------|--|----------|----------------|
| LIN28 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN29 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| LIN30 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| LIN31 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

Segment: **PO1** **Baseline Item Data**

Position: 012

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify basic and most frequently used line item data

Syntax Notes:

- 1 If PO103 is present, then PO102 is required.
- 2 If PO105 is present, then PO104 is required.
- 3 If either PO106 or PO107 is present, then the other is required.
- 4 If either PO108 or PO109 is present, then the other is required.
- 5 If either PO110 or PO111 is present, then the other is required.
- 6 If either PO112 or PO113 is present, then the other is required.
- 7 If either PO114 or PO115 is present, then the other is required.
- 8 If either PO116 or PO117 is present, then the other is required.
- 9 If either PO118 or PO119 is present, then the other is required.
- 10 If either PO120 or PO121 is present, then the other is required.
- 11 If either PO122 or PO123 is present, then the other is required.
- 12 If either PO124 or PO125 is present, then the other is required.

Semantic Notes:

Comments:

- 1 See the Data Element Dictionary for a complete list of IDs.
- 2 PO101 is the line item identification.
- 3 PO106 through PO125 provide for ten different product/service IDs per each item.
For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

| Ref. Des. | Data Element | Name | Attributes |
|--------------|-----------------|--|------------|
| PO101 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O AN 1/20 |
| PO102 | 330 | Quantity Ordered Quantity ordered | X R 1/15 |
| PO103 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| PO104 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| PO105 | 639 | Basis of Unit Price Code Code identifying the type of unit price for an item Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| PO106 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PO107 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| PO108 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PO109 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| PO110 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in | X ID 2/2 |

| | | | | |
|--------------|------------|---|----------|----------------|
| | | Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO111 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO112 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO113 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO114 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO115 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO116 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO117 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO118 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO119 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO120 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO121 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO122 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO123 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| PO124 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PO125 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

Segment: **G53** Maintenance Type
Position: 015
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify the specific type of item maintenance
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|---|-------------------|
| M | G5301 | 875 | Maintenance Type Code | M ID 3/3 |
| | | | Code identifying the specific type of item maintenance | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: **SI Service Characteristic Identification**
Position: 025
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:
Comments:

- 1 SI01 defines the source for each of the service characteristics qualifiers.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | M AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service | M AN 1/48 |
| | SI04 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI05 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI06 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI07 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI08 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI09 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI10 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI11 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI12 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI13 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI14 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI15 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |

| | | | | |
|-------------|-------------|--|----------|----------------|
| SI16 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI17 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SI18 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI19 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SI20 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI21 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

Segment: **DTM** **Date/Time Reference**
Position: 030
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **REF** Reference Identification
Position: 040
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | REF04 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | C04005 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04006 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

Segment: **YNQ** Yes/No Question
Position: 045
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To identify and answer yes and no questions, including the date, time, and comments further qualifying the condition

Syntax Notes:
1 Only one of YNQ01 YNQ09 or YNQ10 may be present.
2 If either YNQ03 or YNQ04 is present, then the other is required.
3 If YNQ09 is present, then YNQ08 is required.

Semantic Notes:
1 YNQ02 confirms or denies the statement made in YNQ01, YNQ09 or YNQ10. A "Y" indicates the statement is confirmed; an "N" indicates the statement is denied.
2 YNQ10 contains a free-form question when codified questions are not available.

Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| | YNQ01 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| M | YNQ02 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | YNQ03 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | YNQ04 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |
| | YNQ05 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ06 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ07 | 933 | Free-Form Message Text Free-form message text | O AN 1/264 |
| | YNQ08 | 1270 | Code List Qualifier Code Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | YNQ09 | 1271 | Industry Code Code indicating a code from a specific industry code list | X AN 1/30 |
| | YNQ10 | 933 | Free-Form Message Text Free-form message text | X AN 1/264 |

Segment: **PER** Administrative Communications Contact
Position: 050
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | PER01 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | PER02 | 93 | Name Free-form name | O AN 1/60 |
| | PER03 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER04 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER05 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER06 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER07 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER08 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER09 | 443 | Contact Inquiry Reference Additional reference number or description to clarify a contact number | O AN 1/20 |

Segment: **CRD** Content Reporting Detail
Position: 055
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To supply the detail information necessary to fulfill mandated requirements for the reporting of non-domestic materials and/or components included in domestically produced products

Syntax Notes:
 1 If either CRD02 or CRD03 is present, then the other is required.
 2 At least one of CRD03 or CRD04 is required.

Semantic Notes:
 1 CRD03 contains nonoriginating traced amount.
 CRD03 is qualified by CRD02.
 2 CRD04 contains value-added percent based on average "A" factor Mexican local content divided by the total selling price.

Comments:
 1 Use one CRD segment for each country.
 2 If CRD02 equals "V0", then CRD04 is required.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | CRD01 | 26 | Country Code Code identifying the country | M ID 2/3 |
| | CRD02 | 522 | Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | CRD03 | 782 | Monetary Amount Monetary amount | X R 1/18 |
| | CRD04 | 488 | Percent Percent expressed as 0 to 100 | X N0 1/3 |

Segment: **CTB** Restrictions/Conditions
Position: 060
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 25
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:

- 1 At least one of CTB02 CTB04 or CTB06 is required.
- 2 If either CTB03 or CTB04 is present, then the other is required.
- 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | CTB01 | 688 | Restrictions/Conditions Qualifier Code identifying the type of restriction/condition Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | CTB02 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | CTB03 | 673 | Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | CTB04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | CTB05 | 522 | Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | CTB06 | 610 | Amount Monetary amount | X N2 1/15 |

Segment: **PID** Product/Item Description

Position: 070

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 200

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

Syntax Notes:

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

Semantic Notes:

- 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.

Data Element Summary

| Ref. | Data | | |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | PID01 | 349 Item Description Type | M ID 1/1 |
| | | Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID02 | 750 Product/Process Characteristic Code | O ID 2/3 |
| | | Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID03 | 559 Agency Qualifier Code | X ID 2/2 |
| | | Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID04 | 751 Product Description Code | X AN 1/12 |
| | | A code from an industry code list which provides specific data about a product characteristic | |
| | PID05 | 352 Description | X AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| | PID06 | 752 Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID07 | 822 Source Subqualifier | O AN 1/15 |
| | | A reference that indicates the table or text maintained by the Source Qualifier | |
| | PID08 | 1073 Yes/No Condition or Response Code | O ID 1/1 |
| | | Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID09 | 819 Language Code | O ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | |

Segment: **MEA** Measurements
Position: 080
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 40
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:

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

Semantic Notes:

- 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.

Data Element Summary

| Ref. | Data | | |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| MEA01 | 737 | Measurement Reference ID Code | O ID 2/2 |
| | | Code identifying the broad category to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA02 | 738 | Measurement Qualifier | O ID 1/3 |
| | | Code identifying a specific product or process characteristic to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA03 | 739 | Measurement Value | X R 1/20 |
| | | The value of the measurement | |
| MEA04 | C001 | Composite Unit of Measure | X |
| | | To identify a composite unit of measure (See Figures Appendix for examples of use) | |
| M | C00101 | Unit or Basis for Measurement Code | M ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00102 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00103 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00104 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00105 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00106 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00107 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00108 | Exponent | O R 1/15 |

| | | | |
|---------------|-------------|--|-----------------|
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| MEA05 | 740 | Range Minimum | X R 1/20 |
| | | The value specifying the minimum of the measurement range | |
| MEA06 | 741 | Range Maximum | X R 1/20 |
| | | The value specifying the maximum of the measurement range | |
| MEA07 | 935 | Measurement Significance Code | O ID 2/2 |
| | | Code used to benchmark, qualify or further define a measurement value | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA08 | 936 | Measurement Attribute Code | X ID 2/2 |
| | | Code used to express an attribute response when a numeric measurement value cannot be determined | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA09 | 752 | Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA10 | 1373 | Measurement Method or Device | O ID 2/4 |
| | | The method or device used to record the measurement | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: **PKG** **Marking, Packaging, Loading**

Position: 090

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: 25

Purpose: To describe marking, packaging, loading, and unloading requirements

Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

- Segment:** **PO4** Item Physical Details
- Position:** 100
- Loop:** LIN Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item
- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.
- Semantic Notes:**
- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
 - 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
 - 3 PO417 is the ending package identifier in a range of identifiers.
 - 4 PO418 is the number of packages in this layer.
- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Pack</u> | |
| PO401 | 356 | Pack | O N0 1/6 |
| | | The number of inner containers, or number of eaches if there are no inner containers, per outer container | |
| PO402 | 357 | Size | X R 1/8 |
| | | Size of supplier units in pack | |
| PO403 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO404 | 103 | Packaging Code | X AN 3/5 |
| | | Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO405 | 187 | Weight Qualifier | O ID 1/2 |
| | | Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO406 | 384 | Gross Weight per Pack | X R 1/9 |
| | | Numeric value of gross weight per pack | |
| PO407 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|--------------|-------------|--|------------------|
| PO408 | 385 | Gross Volume per Pack | X R 1/9 |
| | | Numeric value of gross volume per pack | |
| PO409 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO410 | 82 | Length | X R 1/8 |
| | | Largest horizontal dimension of an object measured when the object is in the upright position | |
| PO411 | 189 | Width | X R 1/8 |
| | | Shorter measurement of the two horizontal dimensions measured with the object in the upright position | |
| PO412 | 65 | Height | X R 1/8 |
| | | Vertical dimension of an object measured when the object is in the upright position | |
| PO413 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO414 | 810 | Inner Pack | O N0 1/6 |
| | | The number of eaches per inner container | |
| PO415 | 752 | Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO416 | 350 | Assigned Identification | X AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO417 | 350 | Assigned Identification | O AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO418 | 1470 | Number | O N0 1/9 |
| | | A generic number | |

Segment: **TD1** Carrier Details (Quantity and Weight)
Position: 107
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify the transportation details relative to commodity, weight, and quantity
Syntax Notes:

- 1 If TD101 is present, then TD102 is required.
- 2 If TD103 is present, then TD104 is required.
- 3 If TD106 is present, then TD107 is required.
- 4 If either TD107 or TD108 is present, then the other is required.
- 5 If either TD109 or TD110 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|---|-------------------|
| TD101 | 103 | Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | O AN 3/5 |
| TD102 | 80 | Lading Quantity Number of units (pieces) of the lading commodity | X N0 1/7 |
| TD103 | 23 | Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| TD104 | 22 | Commodity Code Code describing a commodity or group of commodities | X AN 1/30 |
| TD105 | 79 | Lading Description Description of an item as required for rating and billing purposes | O AN 1/50 |
| TD106 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| TD107 | 81 | Weight Numeric value of weight | X R 1/10 |
| TD108 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD109 | 183 | Volume Value of volumetric measure | X R 1/8 |
| TD110 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **TD5** Carrier Details (Routing Sequence/Transit Time)

Position: 108

Loop: LIN Optional

Level: Detail

Usage: Optional

Max Use: >1

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

Syntax Notes:

- 1 At least one of TD502 TD504 TD505 TD506 or TD512 is required.
- 2 If TD502 is present, then TD503 is required.
- 3 If TD507 is present, then TD508 is required.
- 4 If TD510 is present, then TD511 is required.
- 5 If TD513 is present, then TD512 is required.
- 6 If TD514 is present, then TD513 is required.
- 7 If TD515 is present, then TD512 is required.

Semantic Notes:

- 1 TD515 is the country where the service is to be performed.

Comments:

- 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| TD501 | 133 | Routing Sequence Code | O ID 1/2 |
| | | Code describing the relationship of a carrier to a specific shipment movement Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD502 | 66 | Identification Code Qualifier | X ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD503 | 67 | Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |
| TD504 | 91 | Transportation Method/Type Code | X ID 1/2 |
| | | Code specifying the method or type of transportation for the shipment Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD505 | 387 | Routing | X AN 1/35 |
| | | Free-form description of the routing or requested routing for shipment, or the originating carrier's identity | |
| TD506 | 368 | Shipment/Order Status Code | X ID 2/2 |
| | | 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 Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD507 | 309 | Location Qualifier | O ID 1/2 |
| | | Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD508 | 310 | Location Identifier | X AN 1/30 |
| | | Code which identifies a specific location | |
| TD509 | 731 | Transit Direction Code | O ID 2/2 |
| | | The point of origin and point of direction Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD510 | 732 | Transit Time Direction Qualifier | O ID 2/2 |
| | | Code specifying the value of time used to measure the transit time Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|--------------|------------|--|-----------------|
| TD511 | 733 | Transit Time | X R 1/4 |
| | | The numeric amount of transit time | |
| TD512 | 284 | Service Level Code | X ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD513 | 284 | Service Level Code | X ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD514 | 284 | Service Level Code | O ID 2/2 |
| | | Code indicating the level of transportation service or the billing service offered by the transportation carrier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| TD515 | 26 | Country Code | O ID 2/3 |
| | | Code identifying the country | |

Segment: **TD3** Carrier Details (Equipment)
Position: 109
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation details relating to the equipment used by the carrier
Syntax Notes:

- 1 Only one of TD301 or TD310 may be present.
- 2 If TD302 is present, then TD303 is required.
- 3 If TD304 is present, then TD305 is required.
- 4 If either TD305 or TD306 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| TD301 | 40 | Equipment Description Code Code identifying type of equipment used for shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD302 | 206 | Equipment Initial Prefix or alphabetic part of an equipment unit's identifying number | O AN 1/4 |
| TD303 | 207 | Equipment Number Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred) | X AN 1/10 |
| TD304 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/2 |
| TD305 | 81 | Weight Numeric value of weight | X R 1/10 |
| TD306 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| TD307 | 102 | Ownership Code Code indicating the relationship of equipment to carrier or ownership of equipment Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| TD308 | 407 | Seal Status Code Code indicating condition of door seal upon arrival Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| TD309 | 225 | Seal Number Unique number on seal used to close a shipment | O AN 2/15 |
| TD310 | 24 | Equipment Type Code identifying equipment type | X ID 4/4 |

Segment: **TD4** Carrier Details (Special Handling, or Hazardous Materials, or Both)
Position: 110
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify transportation special handling requirements, or hazardous materials information, or both
Syntax Notes: 1 At least one of TD401 TD402 or TD404 is required.
2 If TD402 is present, then TD403 is required.
Semantic Notes: 1 TD405 identifies if a Material Safety Data Sheet (MSDS) exists for this product. A "Y" indicates an MSDS exists for this product; an "N" indicates an MSDS does not exist for this product.
Comments:

Data Element Summary

| <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|------------------|---------------------|---|-------------------|
| TD401 | 152 | Special Handling Code Code specifying special transportation handling instructions Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| TD402 | 208 | Hazardous Material Code Qualifier Code which qualifies the Hazardous Material Class Code (209) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| TD403 | 209 | Hazardous Material Class Code Code specifying the kind of hazard for a material | X AN 1/4 |
| TD404 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| TD405 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |

Segment: **ITD** Terms of Sale/Deferred Terms of Sale
Position: 130
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify terms of sale
Syntax Notes:

- 1 If ITD03 is present, then at least one of ITD04 ITD05 or 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 at least one of ITD10 or ITD11 is required.

Semantic Notes:

- 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.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| ITD01 | 336 | Terms Type Code | O ID 2/2 |
| | | Code identifying type of payment terms Refer to 004010 Data Element Dictionary for acceptable code values. | |
| ITD02 | 333 | Terms Basis Date Code | O ID 1/2 |
| | | Code identifying the beginning of the terms period Refer to 004010 Data Element Dictionary for acceptable code values. | |
| ITD03 | 338 | Terms Discount Percent | O R 1/6 |
| | | Terms discount percentage, expressed as a percent, available to the purchaser if an invoice is paid on or before the Terms Discount Due Date | |
| ITD04 | 370 | Terms Discount Due Date | X DT 8/8 |
| | | Date payment is due if discount is to be earned expressed in format CCYYMMDD | |
| ITD05 | 351 | Terms Discount Days Due | X N0 1/3 |
| | | Number of days in the terms discount period by which payment is due if terms discount is earned | |
| ITD06 | 446 | Terms Net Due Date | O DT 8/8 |
| | | Date when total invoice amount becomes due expressed in format CCYYMMDD | |
| ITD07 | 386 | Terms Net Days | O N0 1/3 |
| | | Number of days until total invoice amount is due (discount not applicable) | |
| ITD08 | 362 | Terms Discount Amount | O N2 1/10 |
| | | Total amount of terms discount | |
| ITD09 | 388 | Terms Deferred Due Date | O DT 8/8 |
| | | Date deferred payment or percent of invoice payable is due expressed in format CCYYMMDD | |
| ITD10 | 389 | Deferred Amount Due | X N2 1/10 |
| | | Deferred amount due for payment | |
| ITD11 | 342 | Percent of Invoice Payable | X R 1/5 |
| | | Amount of invoice payable expressed in percent | |
| ITD12 | 352 | Description | O AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| ITD13 | 765 | Day of Month | X N0 1/2 |
| | | The numeric value of the day of the month between 1 and the maximum day of the month being referenced | |
| ITD14 | 107 | Payment Method Code | O ID 1/2 |
| | | Code identifying type of payment procedures | |

ITD15 **954** Refer to 004010 Data Element Dictionary for acceptable code values.
Percent **O R 1/10**
Percentage expressed as a decimal

Segment: **LDT** Lead Time
Position: 140
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | LDT01 | 345 | Lead Time Code Code indicating the time range Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | LDT02 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| M | LDT03 | 344 | Unit of Time Period or Interval Code indicating the time period or interval Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LDT04 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 150
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

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

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | SAC01 | 248 | Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 4/4 |
| | SAC03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | SAC04 | 1301 | Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge | X AN 1/10 |
| | SAC05 | 610 | Amount Monetary amount | O N2 1/15 |
| | SAC06 | 378 | Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated | X ID 1/1 |

| | | | | |
|--------------|------------|--|----------|----------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC07 | 332 | Percent | X | R 1/6 |
| | | Percent expressed as a percent | | |
| SAC08 | 118 | Rate | O | R 1/9 |
| | | Rate expressed in the standard monetary denomination for the currency specified | | |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC10 | 380 | Quantity | X | R 1/15 |
| | | Numeric value of quantity | | |
| SAC11 | 380 | Quantity | O | R 1/15 |
| | | Numeric value of quantity | | |
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID 2/2 |
| | | Code indicating method of handling for an allowance or charge | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC13 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| SAC14 | 770 | Option Number | O | AN 1/20 |
| | | A unique number identifying available promotion or allowance options when more than one is offered | | |
| SAC15 | 352 | Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| SAC16 | 819 | Language Code | O | ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | | |

Segment: **FOB** F.O.B. Related Instructions
Position: 160
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes: 1 If FOB03 is present, then FOB02 is required.
2 If FOB04 is present, then FOB05 is required.
3 If FOB07 is present, then FOB06 is required.
4 If FOB08 is present, then FOB09 is required.
Semantic Notes: 1 FOB01 indicates which party will pay the carrier.
2 FOB02 is the code specifying transportation responsibility location.
3 FOB06 is the code specifying the title passage location.
4 FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | FOB01 | 146 | Shipment Method of Payment Code identifying payment terms for transportation charges Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | FOB02 | 309 | Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| | FOB03 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |
| | FOB04 | 334 | Transportation Terms Qualifier Code Code identifying the source of the transportation terms Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | FOB05 | 335 | Transportation Terms Code Code identifying the trade terms which apply to the shipment transportation responsibility Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| | FOB06 | 309 | Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| | FOB07 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |
| | FOB08 | 54 | Risk of Loss Code Code specifying where responsibility for risk of loss passes Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | FOB09 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |

Segment: **AAA** Request Validation
Position: 164
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the validity of the request and indicate follow-up action authorized
Syntax Notes:
Semantic Notes: 1 AAA01 designates whether the request is valid or invalid. Code "Y" indicates that the code is valid; code "N" indicates that the code is invalid.
Comments: 1 If AAA02 is used, AAA03 contains a code from an industry code list.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-----------------|
| <u>Des.</u> | <u>Element</u> | | |
| M | AAA01 | 1073 Yes/No Condition or Response Code | M ID 1/1 |
| | | Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | AAA02 | 559 Agency Qualifier Code | O ID 2/2 |
| | | Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | AAA03 | 901 Reject Reason Code | O ID 2/2 |
| | | Code assigned by issuer to identify reason for rejection Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | AAA04 | 889 Follow-up Action Code | O ID 1/1 |
| | | Code identifying follow-up actions allowed Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: **TC2** Commodity
Position: 165
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To identify a commodity or a group of commodities or a tariff page commodity
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|--------------------|-----------------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | TC201 | 23 | Commodity Code Qualifier Code identifying the commodity coding system used for Commodity Code Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| M | TC202 | 22 | Commodity Code Code describing a commodity or group of commodities | M AN 1/30 |

Segment: **TXI Tax Information**
Position: 166
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify tax information
Syntax Notes:

- 1 At least one of TXI02 TXI03 or TXI06 is required.
- 2 If either TXI04 or TXI05 is present, then the other is required.
- 3 If TXI08 is present, then TXI03 is required.

Semantic Notes:

- 1 TXI02 is the monetary amount of the tax.
- 2 TXI03 is the tax percent expressed as a decimal.
- 3 TXI07 is a code indicating the relationship of the price or amount to the associated segment.

Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | TXI01 | 963 Tax Type Code | M ID 2/2 |
| | | Code specifying the type of tax | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | TXI02 | 782 Monetary Amount | X R 1/18 |
| | | Monetary amount | |
| | TXI03 | 954 Percent | X R 1/10 |
| | | Percentage expressed as a decimal | |
| | TXI04 | 955 Tax Jurisdiction Code Qualifier | X ID 2/2 |
| | | Code identifying the source of the data used in tax jurisdiction code | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | TXI05 | 956 Tax Jurisdiction Code | X AN 1/10 |
| | | Code identifying the taxing jurisdiction | |
| | TXI06 | 441 Tax Exempt Code | X ID 1/1 |
| | | Code identifying exemption status from sales and use tax | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | TXI07 | 662 Relationship Code | O ID 1/1 |
| | | Code indicating the relationship between entities | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | TXI08 | 828 Dollar Basis For Percent | O R 1/9 |
| | | Dollar basis to be used in the percent calculation of the allowance, charge or tax | |
| | TXI09 | 325 Tax Identification Number | O AN 1/20 |
| | | Number assigned to a purchaser (buyer, orderer) by a taxing jurisdiction (state, county, etc.); often called a tax exemption number or certificate number | |
| | TXI10 | 350 Assigned Identification | O AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |

Segment: **G55** **Item Characteristics - Consumer Unit**
Position: 168
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide physical characteristics relative to a consumer unit
Syntax Notes: 1 If either G5503 or G5504 is present, then the other is required.
2 If either G5505 or G5506 is present, then the other is required.
3 If either G5507 or G5508 is present, then the other is required.
4 If either G5509 or G5510 is present, then the other is required.
5 If either G5511 or G5512 is present, then the other is required.
6 If either G5514 or G5515 is present, then the other is required.
7 If any of G5523 G5524 or G5525 is present, then all are required.
8 If any of G5526 G5527 or G5528 is present, then all are required.
9 If either G5529 or G5530 is present, then the other is required.
Semantic Notes: 1 G5521 indicates if the product is prepriced. Code "Y" indicates the product is prepriced. Code "N" indicates the product is not prepriced.
Comments: 1 G5516 is limited to 16 characters.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | G5501 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | G5502 | 234 | Product/Service ID Identifying number for a product or service | M AN 1/48 |
| | G5503 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | G5504 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | G5505 | 65 | Height Vertical dimension of an object measured when the object is in the upright position | X R 1/8 |
| | G5506 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | G5507 | 189 | Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position | X R 1/8 |
| | G5508 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | G5509 | 82 | Length Largest horizontal dimension of an object measured when the object is in the upright position | X R 1/8 |
| | G5510 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

| | | | |
|--------------|-------------|---|------------------|
| G5511 | 183 | Volume Value of volumetric measure | X R 1/8 |
| G5512 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| G5513 | 356 | Pack The number of inner containers, or number of eaches if there are no inner containers, per outer container | O N0 1/6 |
| G5514 | 357 | Size Size of supplier units in pack | X R 1/8 |
| G5515 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| G5516 | 878 | Cash Register Item Description The cash register description of an item | O AN 1/20 |
| G5517 | 878 | Cash Register Item Description The cash register description of an item | O AN 1/20 |
| G5518 | 879 | Coupon Family Code A code assigned by the vendor to a single item or to families of consumer items that can be used by in-store scanners in conjunction with a UPC coupon value code for instant credit when the proper item has been purchased | O AN 3/3 |
| G5519 | 880 | Dated Product Number of Days Used to designate the number of days open dated product must 'sell by' from date of manufacture | O N0 1/4 |
| G5520 | 881 | Deposit Value To designate the value for returnable containers | O R 1/8 |
| G5521 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/1 |
| G5522 | 397 | Color Free-form description of color | O AN 1/10 |
| G5523 | 395 | Unit Weight Numeric value of weight per unit | X R 1/8 |
| G5524 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| G5525 | 188 | Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| G5526 | 395 | Unit Weight Numeric value of weight per unit | X R 1/8 |
| G5527 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| G5528 | 188 | Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| G5529 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

| | | | | |
|--------------|------------|--|----------|----------------|
| G5530 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |
| G5531 | 369 | Free-form Description Free-form descriptive text | O | AN 1/45 |
| G5532 | 810 | Inner Pack The number of eaches per inner container | O | N0 1/6 |
| G5533 | 103 | Packaging Code Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | O | AN 3/5 |

Segment: **G54** Module Description
Position: 169
Loop: LIN Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe the UPC Case Codes in a module
Syntax Notes: 1 At least one of G5403 or G5404 is required.
 2 If either G5404 or G5405 is present, then the other is required.
Semantic Notes:
Comments: 1 G5402 qualifies G5401.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | G5401 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| M | G5402 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | G5403 | 438 | U.P.C. Case Code Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5) | X AN 12/12 |
| | G5404 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | G5405 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | G5406 | 369 | Free-form Description Free-form descriptive text | O AN 1/45 |

Segment: **CTP Pricing Information**
Position: 170
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| CTP01 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| CTP03 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00104 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00107 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | O ID 2/2 |

| | | | |
|---------------|-------------|--|------------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP06 | 648 | Price Multiplier Qualifier | O ID 3/3 |
| | | Code indicating the type of price multiplier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP07 | 649 | Multiplier | X R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP08 | 782 | Monetary Amount | O R 1/18 |
| | | Monetary amount | |
| CTP09 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP10 | 499 | Condition Value | O AN 1/10 |
| | | Identifies rate restrictions or provisions | |
| CTP11 | 289 | Multiple Price Quantity | O N0 1/2 |
| | | Quantity of units for a given price, e.g., 3 for \$10.00 | |

Segment: **G40** Bracket Price
Position: 175
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 99
Purpose: To provide a vendor's pricing structure associated with a specific line item
Syntax Notes:
Semantic Notes: 1 G4009 is the shipping unit to billing unit conversion factor.
Comments: 1 G4007 is the invoicing unit of measure for the costs specified in G4002 and G4003.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|--|------------|
| <u>Des.</u> | <u>Element</u> | | |
| G4001 | 417 | Price Bracket Identifier Identifier assigned by the vendor for a specific price bracket | O AN 1/3 |
| M G4002 | 418 | Item List Cost - New Unit price within the appropriate price bracket for a line item on or after an effective price date | M R 1/9 |
| G4003 | 419 | Item List Cost - Old Unit price within the appropriate price bracket for a line item before an effective date | O R 1/9 |
| G4004 | 369 | Free-form Description Free-form descriptive text | O AN 1/45 |
| G4005 | 420 | Price New, Suggested Retail The consumer package price or retail unit price associated with the product applicable on or after an effective price date | O N2 2/7 |
| G4006 | 421 | Price Old, Suggested Retail The consumer package price or retail unit price associated with the product applicable before an effective price date | O N2 2/7 |
| G4007 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| G4008 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 3/3 |
| G4009 | 1470 | Number A generic number | O N0 1/9 |

Segment: **DTM** **Date/Time Reference**
Position: 180
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **G36** Price List Reference
Position: 182
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To provide price list references and descriptions
Syntax Notes:
Semantic Notes: 1 G3603 is the issue date of the price list.
Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | G3601 | 439 | Price List Number Identification number assigned by a vendor to a price list | M AN 1/16 |
| | G3602 | 440 | Price List Issue Number Number assigned to revised or new issues of a price list | O AN 1/16 |
| M | G3603 | 373 | Date Date expressed as CCYYMMDD | M DT 8/8 |
| | G3604 | 291 | Price Condition Applies Code Code indicating whether price conditions apply to a price change Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 3/3 |

Segment: **LDT** Lead Time
Position: 190
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify lead time for availability of products and services
Syntax Notes:
Semantic Notes: 1 LDT04 is the effective date of lead time information.
Comments: 1 LDT02 is the quantity of unit of time periods.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | LDT01 | 345 | Lead Time Code Code indicating the time range Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | LDT02 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| M | LDT03 | 344 | Unit of Time Period or Interval Code indicating the time period or interval Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LDT04 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |

Segment: **CUR** Currency
Position: 200
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify the currency (dollars, pounds, francs, etc.) used in a transaction
Syntax Notes:

- 1 If CUR08 is present, then CUR07 is required.
- 2 If CUR09 is present, then CUR07 is required.
- 3 If CUR10 is present, then at least one of CUR11 or CUR12 is required.
- 4 If CUR11 is present, then CUR10 is required.
- 5 If CUR12 is present, then CUR10 is required.
- 6 If CUR13 is present, then at least one of CUR14 or CUR15 is required.
- 7 If CUR14 is present, then CUR13 is required.
- 8 If CUR15 is present, then CUR13 is required.
- 9 If CUR16 is present, then at least one of CUR17 or CUR18 is required.
- 10 If CUR17 is present, then CUR16 is required.
- 11 If CUR18 is present, then CUR16 is required.
- 12 If CUR19 is present, then at least one of CUR20 or CUR21 is required.
- 13 If CUR20 is present, then CUR19 is required.
- 14 If CUR21 is present, then CUR19 is required.

Semantic Notes:
Comments:

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

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|---|----------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> | |
| M | CUR01 | 98 | Entity Identifier Code | M ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | |
| M | CUR02 | 100 | Currency Code | M ID 3/3 |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | |
| | CUR03 | 280 | Exchange Rate | O R 4/10 |
| | | | Value to be used as a multiplier conversion factor to convert monetary value from one currency to another | |
| | CUR04 | 98 | Entity Identifier Code | O ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | CUR05 | 100 | Currency Code | O ID 3/3 |
| | | | Code (Standard ISO) for country in whose currency the charges are specified | |
| | CUR06 | 669 | Currency Market/Exchange Code | O ID 3/3 |
| | | | Code identifying the market upon which the currency exchange rate is based Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | CUR07 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | CUR08 | 373 | Date | O DT 8/8 |
| | | | Date expressed as CCYYMMDD | |
| | CUR09 | 337 | Time | O TM 4/8 |
| | | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |

| | | | |
|--------------|------------|---|-----------------|
| CUR10 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR11 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR12 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR13 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR14 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR15 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR16 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR17 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR18 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| CUR19 | 374 | Date/Time Qualifier | X ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CUR20 | 373 | Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| CUR21 | 337 | Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |

- Segment:** **PO4** Item Physical Details
- Position:** 210
- Loop:** CTP Optional
- Level:** Detail
- Usage:** Optional
- Max Use:** 1
- Purpose:** To specify the physical qualities, packaging, weights, and dimensions relating to the item
- Syntax Notes:**
- 1 If either PO402 or PO403 is present, then the other is required.
 - 2 If PO405 is present, then PO406 is required.
 - 3 If either PO406 or PO407 is present, then the other is required.
 - 4 If either PO408 or PO409 is present, then the other is required.
 - 5 If PO410 is present, then PO413 is required.
 - 6 If PO411 is present, then PO413 is required.
 - 7 If PO412 is present, then PO413 is required.
 - 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
 - 9 If PO417 is present, then PO416 is required.
 - 10 If PO418 is present, then PO404 is required.
- Semantic Notes:**
- 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package.
 - 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers.
 - 3 PO417 is the ending package identifier in a range of identifiers.
 - 4 PO418 is the number of packages in this layer.
- Comments:**
- 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ".
 - 2 PO413 defines the unit of measure for PO410, PO411, and PO412.

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|--|------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| PO401 | 356 | Pack | O N0 1/6 |
| | | The number of inner containers, or number of eaches if there are no inner containers, per outer container | |
| PO402 | 357 | Size | X R 1/8 |
| | | Size of supplier units in pack | |
| PO403 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO404 | 103 | Packaging Code | X AN 3/5 |
| | | Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO405 | 187 | Weight Qualifier | O ID 1/2 |
| | | Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO406 | 384 | Gross Weight per Pack | X R 1/9 |
| | | Numeric value of gross weight per pack | |
| PO407 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|--------------|-------------|--|------------------|
| PO408 | 385 | Gross Volume per Pack | X R 1/9 |
| | | Numeric value of gross volume per pack | |
| PO409 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO410 | 82 | Length | X R 1/8 |
| | | Largest horizontal dimension of an object measured when the object is in the upright position | |
| PO411 | 189 | Width | X R 1/8 |
| | | Shorter measurement of the two horizontal dimensions measured with the object in the upright position | |
| PO412 | 65 | Height | X R 1/8 |
| | | Vertical dimension of an object measured when the object is in the upright position | |
| PO413 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO414 | 810 | Inner Pack | O N0 1/6 |
| | | The number of eaches per inner container | |
| PO415 | 752 | Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO416 | 350 | Assigned Identification | X AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO417 | 350 | Assigned Identification | O AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO418 | 1470 | Number | O N0 1/9 |
| | | A generic number | |

Segment: **CTB** Restrictions/Conditions
Position: 220
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 5
Purpose: To specify restrictions/conditions (such as shipping, ordering)
Syntax Notes:

- 1 At least one of CTB02 CTB04 or CTB06 is required.
- 2 If either CTB03 or CTB04 is present, then the other is required.
- 3 If either CTB05 or CTB06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| | CTB01 | 688 | Restrictions/Conditions Qualifier Code identifying the type of restriction/condition Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | CTB02 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | CTB03 | 673 | Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | CTB04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | CTB05 | 522 | Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| | CTB06 | 610 | Amount Monetary amount | X N2 1/15 |

Segment: **REF** Reference Identification
Position: 225
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | REF04 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | C04005 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04006 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

Segment: **G43** Promotion/Price List Area
Position: 227
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 9999
Purpose: To specify the geographic area in which a promotion or price is in effect
Syntax Notes:
Semantic Notes: 1 If G4301 is "001", "002", or "004", then G4302 is required. If G4301 is "003", then G4303 is required.
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | G4301 | 771 | Market Area Code Qualifier Code qualifying the identifier represented in "Market Area Code Identifier (767)" Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/3 |
| | G4302 | 767 | Market Area Code Identifier A unique identification of a market area | O AN 1/12 |
| | G4303 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |
| | G4304 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |

Segment: **SAC** Service, Promotion, Allowance, or Charge Information
Position: 228
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | SAC01 | 248 | Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 4/4 |
| | SAC03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | SAC04 | 1301 | Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge | X AN 1/10 |
| | SAC05 | 610 | Amount Monetary amount | O N2 1/15 |
| | SAC06 | 378 | Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated | X ID 1/1 |

| | | | | |
|--------------|------------|--|----------|----------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC07 | 332 | Percent | X | R 1/6 |
| | | Percent expressed as a percent | | |
| SAC08 | 118 | Rate | O | R 1/9 |
| | | Rate expressed in the standard monetary denomination for the currency specified | | |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC10 | 380 | Quantity | X | R 1/15 |
| | | Numeric value of quantity | | |
| SAC11 | 380 | Quantity | O | R 1/15 |
| | | Numeric value of quantity | | |
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID 2/2 |
| | | Code indicating method of handling for an allowance or charge | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC13 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| SAC14 | 770 | Option Number | O | AN 1/20 |
| | | A unique number identifying available promotion or allowance options when more than one is offered | | |
| SAC15 | 352 | Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| SAC16 | 819 | Language Code | O | ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | | |

Segment: **G26 Pricing Conditions**
Position: 229
Loop: CTP Optional
Level: Detail
Usage: Optional
Max Use: 99
Purpose: To specify vendor's conditions related to price change
Syntax Notes: 1 If either G2602 or G2603 is present, then the other is required.
 2 If any of G2604 G2605 or G2606 is present, then all are required.
Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | G2601 | 290 | Price Condition Code Code identifying a particular condition applicable to a price change Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | G2602 | 432 | Date Qualifier Code specifying type of date Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | G2603 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | G2604 | 292 | Quantity Basis Identifies the total product allocation condition Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| | G2605 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | G2606 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **N1** Name
Position: 230
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Syntax Notes: 1 At least one of N102 or N103 is required.
 2 If either N103 or N104 is present, then the other is required.
Semantic Notes:
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.

Data Element Summary

| Ref. | Data | | Attributes |
|-------------|----------------|--|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | N101 | 98 Entity Identifier Code | M ID 2/3 |
| | | Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | N102 | 93 Name | X AN 1/60 |
| | | Free-form name | |
| | N103 | 66 Identification Code Qualifier | X ID 1/2 |
| | | Code designating the system/method of code structure used for Identification Code (67) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | N104 | 67 Identification Code | X AN 2/80 |
| | | Code identifying a party or other code | |
| | N105 | 706 Entity Relationship Code | O ID 2/2 |
| | | Code describing entity relationship Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | N106 | 98 Entity Identifier Code | O ID 2/3 |
| | | Code identifying an organizational entity, a physical location, property or an individual Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: N2 Additional Name Information
Position: 240
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify additional names or those longer than 35 characters in length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|------------------------|-------------------|
| | Des. | Element | Name | |
| M | N201 | 93 | Name Free-form name | M AN 1/60 |
| | N202 | 93 | Name Free-form name | O AN 1/60 |

Segment: N3 Address Information
Position: 250
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To specify the location of the named party
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|--------------------|-----------------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | <u>Name</u> | |
| M | N301 | 166 | Address Information Address information | M AN 1/55 |
| | N302 | 166 | Address Information Address information | O AN 1/55 |

Segment: **N4 Geographic Location**
Position: 260
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the geographic place of the named party
Syntax Notes: 1 If N406 is present, then N405 is required.
Semantic Notes:
Comments: 1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2 N402 is required only if city name (N401) is in the U.S. or Canada.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|---|-------------------|
| N401 | 19 | City Name Free-form text for city name | O AN 2/30 |
| N402 | 156 | State or Province Code Code (Standard State/Province) as defined by appropriate government agency | O ID 2/2 |
| N403 | 116 | Postal Code Code defining international postal zone code excluding punctuation and blanks (zip code for United States) | O ID 3/15 |
| N404 | 26 | Country Code Code identifying the country | O ID 2/3 |
| N405 | 309 | Location Qualifier Code identifying type of location Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| N406 | 310 | Location Identifier Code which identifies a specific location | O AN 1/30 |

Segment: **REF** Reference Identification
Position: 270
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 12
Purpose: To specify identifying information
Syntax Notes:

- 1 At least one of REF02 or REF03 is required.
- 2 If either C04003 or C04004 is present, then the other is required.
- 3 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

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

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | REF01 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | REF02 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | REF03 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| | REF04 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | C04005 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04006 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

Segment: **PER Administrative Communications Contact**
Position: 280
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To identify a person or office to whom administrative communications should be directed
Syntax Notes:

- 1 If either PER03 or PER04 is present, then the other is required.
- 2 If either PER05 or PER06 is present, then the other is required.
- 3 If either PER07 or PER08 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| M | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| | PER01 | 366 | Contact Function Code Code identifying the major duty or responsibility of the person or group named Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | PER02 | 93 | Name Free-form name | O AN 1/60 |
| | PER03 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER04 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER05 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER06 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER07 | 365 | Communication Number Qualifier Code identifying the type of communication number Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PER08 | 364 | Communication Number Complete communications number including country or area code when applicable | X AN 1/80 |
| | PER09 | 443 | Contact Inquiry Reference Additional reference number or description to clarify a contact number | O AN 1/20 |

Segment: **DTM** Date/Time Reference
Position: 281
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|------------|
| <u>Des.</u> | <u>Element</u> | | |
| M | DTM01 | 374 Date/Time Qualifier | M ID 3/3 |
| | | Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM02 | 373 Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| | DTM03 | 337 Time | X TM 4/8 |
| | | Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | |
| | DTM04 | 623 Time Code | O ID 2/2 |
| | | Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM05 | 1250 Date Time Period Format Qualifier | X ID 2/3 |
| | | Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | DTM06 | 1251 Date Time Period | X AN 1/35 |
| | | Expression of a date, a time, or range of dates, times or dates and times | |

Segment: **PKG** Marking, Packaging, Loading
Position: 282
Loop: N1 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **G39** Item Characteristics - Vendor's Selling Unit
Position: 283
Loop: G39 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify a vendor's selling unit or to provide physical characteristics relative to a vendor's selling unit

- Syntax Notes:**
- 1 At least one of G3901 or G3902 is required.
 - 2 If either G3902 or G3903 is present, then the other is required.
 - 3 If any of G3905 G3906 or G3907 is present, then all are required.
 - 4 If either G3906 or G3907 is present, then the other is required.
 - 5 If either G3908 or G3909 is present, then the other is required.
 - 6 If either G3910 or G3911 is present, then the other is required.
 - 7 If either G3912 or G3913 is present, then the other is required.
 - 8 If either G3914 or G3915 is present, then the other is required.
 - 9 If either G3918 or G3919 is present, then the other is required.
 - 10 If either G3923 or G3924 is present, then the other is required.
 - 11 If either G3925 or G3926 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|----------------------------|-------------------------------|--|-------------------|
| G3901 | 438 | U.P.C. Case Code Code (Universal Product Code - U.P.C.) including two high order digits identifying the "system" (U.S. Grocery = 00, 06 or 07; U.S. Drug = 03); using the U.S. Grocery system, the next ten digits are: Manufacturer (5) Case Code (5) | X AN 12/12 |
| G3902 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| G3903 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| G3904 | 152 | Special Handling Code Code specifying special transportation handling instructions Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/3 |
| G3905 | 395 | Unit Weight Numeric value of weight per unit | X R 1/8 |
| G3906 | 187 | Weight Qualifier Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |
| G3907 | 188 | Weight Unit Code Code specifying the weight unit Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| G3908 | 65 | Height Vertical dimension of an object measured when the object is in the upright position | X R 1/8 |
| G3909 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| G3910 | 189 | Width | X R 1/8 |

| | | | |
|--------------|------------|---|------------------|
| | | Shorter measurement of the two horizontal dimensions measured with the object in the upright position | |
| G3911 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3912 | 82 | Length | X R 1/8 |
| | | Largest horizontal dimension of an object measured when the object is in the upright position | |
| G3913 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3914 | 183 | Volume | X R 1/8 |
| | | Value of volumetric measure | |
| G3915 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3916 | 416 | Pallet Block and Tiers | O N0 6/6 |
| | | Code indicating pallet and load structure; first three digits indicate the number of cases per layer, last three digits indicate the number of layers per pallet | |
| G3917 | 356 | Pack | O N0 1/6 |
| | | The number of inner containers, or number of eaches if there are no inner containers, per outer container | |
| G3918 | 357 | Size | X R 1/8 |
| | | Size of supplier units in pack | |
| G3919 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3920 | 397 | Color | O AN 1/10 |
| | | Free-form description of color | |
| G3921 | 398 | Order Sizing Factor | O R 1/10 |
| | | A product specification other than gross or net weight, or cubic feet for a line item or transaction used for order sizing and pricing purposes | |
| G3922 | 876 | Alternate Tiers per Pallet | O ID 1/3 |
| | | Number indicating the alternate tiers per pallet structure; the three digits represent the number of tiers per pallet | |
| G3923 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3924 | 234 | Product/Service ID | X AN 1/48 |
| | | Identifying number for a product or service | |
| G3925 | 187 | Weight Qualifier | X ID 1/2 |
| | | Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | |
| G3926 | 395 | Unit Weight | X R 1/8 |
| | | Numeric value of weight per unit | |
| G3927 | 810 | Inner Pack | O N0 1/6 |
| | | The number of eaches per inner container | |
| G3928 | 103 | Packaging Code | O AN 3/5 |
| | | Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required | |

Refer to 004010 Data Element Dictionary for acceptable code values.

Segment: **CTP Pricing Information**
Position: 284
Loop: G39 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| CTP01 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| CTP03 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00104 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00107 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | O ID 2/2 |

| | | | |
|---------------|-------------|--|------------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP06 | 648 | Price Multiplier Qualifier | O ID 3/3 |
| | | Code indicating the type of price multiplier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP07 | 649 | Multiplier | X R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP08 | 782 | Monetary Amount | O R 1/18 |
| | | Monetary amount | |
| CTP09 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP10 | 499 | Condition Value | O AN 1/10 |
| | | Identifies rate restrictions or provisions | |
| CTP11 | 289 | Multiple Price Quantity | O N0 1/2 |
| | | Quantity of units for a given price, e.g., 3 for \$10.00 | |

Segment: **PKL Multi-Pack Configuration**

Position: 285

Loop: PKL Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To identify the package level, quantity of stock-keeping units (SKUs), and physical dimensions and weight of the package being defined

- Syntax Notes:**
- 1 If PKL05 is present, then PKL08 is required.
 - 2 If PKL06 is present, then PKL08 is required.
 - 3 If PKL07 is present, then PKL08 is required.
 - 4 If PKL08 is present, then at least one of PKL05 PKL06 or PKL07 is required.
 - 5 If either PKL09 or PKL10 is present, then the other is required.
 - 6 If either PKL11 or PKL12 is present, then the other is required.

- Semantic Notes:**
- 1 PKL04 is the Stock Keeping Unit (SKU) quantity.
 - 2 PKL13 is used to designate whether the product identified in PKL02 is saleable by the manufacturer at that packaging level. Code "Y" indicates that the product is saleable by the manufacturer at that packaging level, and code "N" indicates that the product is not saleable by the manufacturer at that packaging level.

Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | PKL01 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | PKL02 | 234 | Product/Service ID Identifying number for a product or service | M AN 1/48 |
| M | PKL03 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | PKL04 | 380 | Quantity Numeric value of quantity | M R 1/15 |
| | PKL05 | 65 | Height Vertical dimension of an object measured when the object is in the upright position | X R 1/8 |
| | PKL06 | 189 | Width Shorter measurement of the two horizontal dimensions measured with the object in the upright position | X R 1/8 |
| | PKL07 | 677 | Item Depth The depth is the thickness of the product; in the dimension coordinate axes represented by X, Y and Z, depth is measured along the Z axis where X is the horizontal axis and Y is the vertical axis | X R 1/6 |
| | PKL08 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | PKL09 | 384 | Gross Weight per Pack Numeric value of gross weight per pack | X R 1/9 |
| | PKL10 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

| | | | | |
|--------------|-------------|--|----------|---------------|
| PKL11 | 385 | Gross Volume per Pack | X | R 1/9 |
| | | Numeric value of gross volume per pack | | |
| PKL12 | 355 | Unit or Basis for Measurement Code | X | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| PKL13 | 1073 | Yes/No Condition or Response Code | O | ID 1/1 |
| | | Code indicating a Yes or No condition or response | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |

Segment: **CTP Pricing Information**
Position: 290
Loop: PKL Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify pricing information
Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| CTP01 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| CTP03 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M | C00101 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | C00102 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00103 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00104 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00105 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00106 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00107 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | O ID 2/2 |

| | | | |
|---------------|-------------|--|------------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP06 | 648 | Price Multiplier Qualifier | O ID 3/3 |
| | | Code indicating the type of price multiplier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP07 | 649 | Multiplier | X R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP08 | 782 | Monetary Amount | O R 1/18 |
| | | Monetary amount | |
| CTP09 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP10 | 499 | Condition Value | O AN 1/10 |
| | | Identifies rate restrictions or provisions | |
| CTP11 | 289 | Multiple Price Quantity | O N0 1/2 |
| | | Quantity of units for a given price, e.g., 3 for \$10.00 | |

Segment: **PKG** Marking, Packaging, Loading
Position: 295
Loop: PKL Optional
Level: Detail
Usage: Optional
Max Use: 2
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: **LFG** **Hazardous Information, Finished Goods**
Position: 300
Loop: LFG Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To describe hazardous material information for finished goods
Syntax Notes:
Semantic Notes: 1 LFG01 is the hazardous material shipping name.
Comments:

Data Element Summary

| | Ref. | Data | Name | Attributes |
|---|-------------|----------------|---|-------------------|
| | Des. | Element | | |
| M | LFG01 | 352 | Description | M AN 1/80 |
| | | | A free-form description to clarify the related data elements and their content | |
| M | LFG02 | 215 | Hazardous Classification | M ID 1/30 |
| | | | The hazardous classification corresponding to the shipping name of the hazardous commodity | |
| M | LFG03 | 277 | UN/NA Identification Code | M ID 6/6 |
| | | | Code identifying the hazardous material identification number as required by Title 49 of the code of Federal Regulations; UN/NA stands for United Nations/North America | |
| M | LFG04 | 218 | Hazardous Placard Notation | M ID 14/40 |
| | | | The placard notation corresponding to the hazard class of the hazardous commodity | |
| | LFG05 | 254 | Packing Group Code | O ID 1/3 |
| | | | Code indicating degree of danger in terms of Roman number I, II or III | |
| | LFG06 | 1577 | Hazardous Material Regulations Exception Code | O ID 1/1 |
| | | | Code indicating if an exception exists for a finished good from the shipping requirements of the hazardous material regulations and what that exception is. Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: **CRC** **Conditions Indicator**
Position: 310
Loop: CRC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To supply information on conditions
Syntax Notes:
Semantic Notes:

- 1 CRC01 qualifies CRC03 through CRC07.
- 2 CRC02 is a Certification Condition Code applies indicator. A "Y" value indicates the condition codes in CRC03 through CRC07 apply; an "N" value indicates the condition codes in CRC03 through CRC07 do not apply.

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | CRC01 | 1136 | Code Category Specifies the situation or category to which the code applies Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | CRC02 | 1073 | Yes/No Condition or Response Code Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| M | CRC03 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | CRC04 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | CRC05 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | CRC06 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | CRC07 | 1321 | Condition Indicator Code indicating a condition Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |

Segment: QTY Quantity
Position: 320
Loop: CRC Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | QTY02 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | QTY03 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | O |
| M | C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00104 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00107 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00108 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00109 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00110 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00111 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |

| | | | |
|---------------|-------------|--|------------------|
| C00112 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00113 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00114 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00115 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| QTY04 | 61 | Free-Form Message Free-form information | X AN 1/30 |

Segment: **LM** Code Source Information
Position: 330
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|-------------|---|-------------------|
| M | LM01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LM02 | 822 | Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier | O AN 1/15 |

Segment: **LQ** Industry Code
Position: 340
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|--|-------------------|
| LQ01 | 1270 | Code List Qualifier Code Code identifying a specific industry code list Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/3 |
| LQ02 | 1271 | Industry Code Code indicating a code from a specific industry code list | X AN 1/30 |

Segment: **SLN** Subline Item Detail

Position: 350

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: 1

Purpose: To specify product subline detail item data

Syntax Notes:

- 1 If either SLN04 or SLN05 is present, then the other is required.
- 2 If SLN07 is present, then SLN06 is required.
- 3 If SLN08 is present, then SLN06 is required.
- 4 If either SLN09 or SLN10 is present, then the other is required.
- 5 If either SLN11 or SLN12 is present, then the other is required.
- 6 If either SLN13 or SLN14 is present, then the other is required.
- 7 If either SLN15 or SLN16 is present, then the other is required.
- 8 If either SLN17 or SLN18 is present, then the other is required.
- 9 If either SLN19 or SLN20 is present, then the other is required.
- 10 If either SLN21 or SLN22 is present, then the other is required.
- 11 If either SLN23 or SLN24 is present, then the other is required.
- 12 If either SLN25 or SLN26 is present, then the other is required.
- 13 If either SLN27 or SLN28 is present, then the other is required.

Semantic Notes:

- 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 1A 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.

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|--|-------------------|
| M | SLN01 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | M AN 1/20 |
| | SLN02 | 350 | Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O AN 1/20 |
| M | SLN03 | 662 | Relationship Code Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | SLN04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | SLN05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M | C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00103 | 649 | Multiplier | O R 1/10 |

| | | | |
|---------------|-------------|---|------------------|
| | | Value to be used as a multiplier to obtain a new value | |
| C00104 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00105 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00106 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00107 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| SLN06 | 212 | Unit Price | X R 1/17 |
| | | Price per unit of product, service, commodity, etc. | |
| SLN07 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item Refer to 004010 Data Element Dictionary for acceptable code values. | |
| SLN08 | 662 | Relationship Code | O ID 1/1 |
| | | Code indicating the relationship between entities Refer to 004010 Data Element Dictionary for acceptable code values. | |
| SLN09 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| SLN10 | 234 | Product/Service ID | X AN 1/48 |
| | | Identifying number for a product or service | |
| SLN11 | 235 | Product/Service ID Qualifier | X ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | |
| SLN12 | 234 | Product/Service ID | X AN 1/48 |
| | | Identifying number for a product or service | |

| | | | | |
|-------|-----|--|---|---------|
| SLN13 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN14 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN15 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN16 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN17 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN18 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN19 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN20 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN21 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN22 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN23 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN24 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN25 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN26 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SLN27 | 235 | Product/Service ID Qualifier | X | ID 2/2 |
| | | Code identifying the type/source of the descriptive number used in Product/Service ID (234) Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SLN28 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

Segment: **SI Service Characteristic Identification**
Position: 360
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify service characteristic data
Syntax Notes:

- 1 If either SI04 or SI05 is present, then the other is required.
- 2 If either SI06 or SI07 is present, then the other is required.
- 3 If either SI08 or SI09 is present, then the other is required.
- 4 If either SI10 or SI11 is present, then the other is required.
- 5 If either SI12 or SI13 is present, then the other is required.
- 6 If either SI14 or SI15 is present, then the other is required.
- 7 If either SI16 or SI17 is present, then the other is required.
- 8 If either SI18 or SI19 is present, then the other is required.
- 9 If either SI20 or SI21 is present, then the other is required.

Semantic Notes:
Comments:

- 1 SI01 defines the source for each of the service characteristics qualifiers.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|--|-------------------|
| M | SI01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | SI02 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | M AN 2/2 |
| M | SI03 | 234 | Product/Service ID Identifying number for a product or service | M AN 1/48 |
| | SI04 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI05 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI06 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI07 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI08 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI09 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI10 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI11 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI12 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI13 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| | SI14 | 1000 | Service Characteristics Qualifier Code from an industry code list qualifying the type of service characteristics | X AN 2/2 |
| | SI15 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |

| | | | | |
|-------------|-------------|--|----------|----------------|
| SI16 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI17 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SI18 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI19 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |
| SI20 | 1000 | Service Characteristics Qualifier | X | AN 2/2 |
| | | Code from an industry code list qualifying the type of service characteristics | | |
| SI21 | 234 | Product/Service ID | X | AN 1/48 |
| | | Identifying number for a product or service | | |

Segment: **PID** **Product/Item Description**

Position: 370

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: >1

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

Syntax Notes:

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

Semantic Notes:

- 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.

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| M | PID01 | 349 Item Description Type | M ID 1/1 |
| | | Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID02 | 750 Product/Process Characteristic Code | O ID 2/3 |
| | | Code identifying the general class of a product or process characteristic Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID03 | 559 Agency Qualifier Code | X ID 2/2 |
| | | Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID04 | 751 Product Description Code | X AN 1/12 |
| | | A code from an industry code list which provides specific data about a product characteristic | |
| | PID05 | 352 Description | X AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | |
| | PID06 | 752 Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID07 | 822 Source Subqualifier | O AN 1/15 |
| | | A reference that indicates the table or text maintained by the Source Qualifier | |
| | PID08 | 1073 Yes/No Condition or Response Code | O ID 1/1 |
| | | Code indicating a Yes or No condition or response Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | PID09 | 819 Language Code | O ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | |

Segment: **DTM** **Date/Time Reference**
Position: 380
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **CTP Pricing Information**
Position: 390
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pricing information
Syntax Notes:

- 1 If either CTP04 or CTP05 is present, then the other is required.
- 2 If CTP06 is present, then CTP07 is required.
- 3 If CTP09 is present, then CTP02 is required.
- 4 If CTP10 is present, then CTP02 is required.
- 5 If CTP11 is present, then CTP03 is required.

Semantic Notes:

- 1 CTP07 is a multiplier factor to arrive at a final discounted price. A multiplier of .90 would be the factor if a 10% discount is given.
- 2 CTP08 is the rebate amount.

Comments:

- 1 See Figures Appendix for an example detailing the use of CTP03 and CTP04. See Figures Appendix for an example detailing the use of CTP03, CTP04 and CTP07.

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| CTP01 | 687 | Class of Trade Code Code indicating class of trade Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| CTP02 | 236 | Price Identifier Code Code identifying pricing specification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| CTP03 | 212 | Unit Price Price per unit of product, service, commodity, etc. | X R 1/17 |
| CTP04 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| CTP05 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | X |
| M C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00104 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00107 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | O ID 2/2 |

| | | | |
|---------------|-------------|--|------------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00108 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP06 | 648 | Price Multiplier Qualifier | O ID 3/3 |
| | | Code indicating the type of price multiplier | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP07 | 649 | Multiplier | X R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| CTP08 | 782 | Monetary Amount | O R 1/18 |
| | | Monetary amount | |
| CTP09 | 639 | Basis of Unit Price Code | O ID 2/2 |
| | | Code identifying the type of unit price for an item | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| CTP10 | 499 | Condition Value | O AN 1/10 |
| | | Identifies rate restrictions or provisions | |
| CTP11 | 289 | Multiple Price Quantity | O N0 1/2 |
| | | Quantity of units for a given price, e.g., 3 for \$10.00 | |

Segment: **PAM** Period Amount

Position: 400

Loop: SLN Optional

Level: Detail

Usage: Optional

Max Use: >1

Purpose: To indicate a quantity, and/or amount for an identified period

Syntax Notes:

- 1 If any of PAM01 PAM02 or PAM03 is present, then all are required.
- 2 At least one of PAM02 PAM05 or PAM14 is required.
- 3 If either PAM04 or PAM05 is present, then the other is required.
- 4 If either PAM06 or PAM07 is present, then the other is required.
- 5 If PAM07 is present, then at least one of PAM08 or PAM09 is required.
- 6 If PAM07 is present, then PAM06 is required.
- 7 If PAM08 is present, then PAM07 is required.
- 8 If PAM09 is present, then PAM07 is required.
- 9 If PAM10 is present, then at least one of PAM11 or PAM12 is required.
- 10 If PAM11 is present, then PAM10 is required.
- 11 If either PAM13 or PAM14 is present, then the other is required.

Semantic Notes:

- 1 PAM10, PAM11, or PAM12 are used when two dates are required.
- 2 PAM15 indicates whether the monetary amount identified in PAM05 is a net or gross value. A "Y" indicates amount is a gross value; an "N" indicates amount is a net value.

Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|--|------------|
| <u>Des.</u> | <u>Element</u> | | |
| PAM01 | 673 | Quantity Qualifier | X ID 2/2 |
| | | Code specifying the type of quantity | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PAM02 | 380 | Quantity | X R 1/15 |
| | | Numeric value of quantity | |
| PAM03 | C001 | Composite Unit of Measure | X |
| | | To identify a composite unit of measure (See Figures Appendix for examples of use) | |
| M | C00101 | 355 Unit or Basis for Measurement Code | M ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00102 | 1018 Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00103 | 649 Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00104 | 355 Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00105 | 1018 Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00106 | 649 Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00107 | 355 Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|---------------|-------------|--|-----------------|
| C00108 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00109 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00110 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00111 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00112 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00113 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00114 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00115 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| PAM04 | 522 | Amount Qualifier Code Code to qualify amount Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/3 |
| PAM05 | 782 | Monetary Amount Monetary amount | X R 1/18 |
| PAM06 | 344 | Unit of Time Period or Interval Code indicating the time period or interval Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PAM07 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| PAM08 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| PAM09 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| PAM10 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 3/3 |
| PAM11 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| PAM12 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| PAM13 | 1004 | Percent Qualifier Code to qualify percent Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/2 |

| | | | |
|--------------|-------------|---|-----------------|
| PAM14 | 954 | Percent | X R 1/10 |
| | | Percentage expressed as a decimal | |
| PAM15 | 1073 | Yes/No Condition or Response Code | O ID 1/1 |
| | | Code indicating a Yes or No condition or response | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | |
|------------------------|--|
| Segment: | PO4 Item Physical Details |
| Position: | 410 |
| Loop: | SLN Optional |
| Level: | Detail |
| Usage: | Optional |
| Max Use: | >1 |
| Purpose: | To specify the physical qualities, packaging, weights, and dimensions relating to the item |
| Syntax Notes: | <ol style="list-style-type: none"> 1 If either PO402 or PO403 is present, then the other is required. 2 If PO405 is present, then PO406 is required. 3 If either PO406 or PO407 is present, then the other is required. 4 If either PO408 or PO409 is present, then the other is required. 5 If PO410 is present, then PO413 is required. 6 If PO411 is present, then PO413 is required. 7 If PO412 is present, then PO413 is required. 8 If PO413 is present, then at least one of PO410 PO411 or PO412 is required. 9 If PO417 is present, then PO416 is required. 10 If PO418 is present, then PO404 is required. |
| Semantic Notes: | <ol style="list-style-type: none"> 1 PO415 is used to indicate the relative layer of this package or range of packages within the layers of packaging. Relative Position 1 (value R1) is the innermost package. 2 PO416 is the package identifier or the beginning package identifier in a range of identifiers. 3 PO417 is the ending package identifier in a range of identifiers. 4 PO418 is the number of packages in this layer. |
| Comments: | <ol style="list-style-type: none"> 1 PO403 - The "Unit or Basis for Measure Code" in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. For example: If the carton contains 24 12-Ounce packages, it would be described as follows: Data element 356 = "24"; Data element 357 = "12"; Data element 355 = "OZ". 2 PO413 defines the unit of measure for PO410, PO411, and PO412. |

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Attributes</u> |
|-------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> <u>Name</u> | |
| PO401 | 356 Pack | O N0 1/6 |
| | The number of inner containers, or number of eaches if there are no inner containers, per outer container | |
| PO402 | 357 Size | X R 1/8 |
| | Size of supplier units in pack | |
| PO403 | 355 Unit or Basis for Measurement Code | X ID 2/2 |
| | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO404 | 103 Packaging Code | X AN 3/5 |
| | Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material; if the Data Element is used, then Part 1 is always required Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO405 | 187 Weight Qualifier | O ID 1/2 |
| | Code defining the type of weight Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO406 | 384 Gross Weight per Pack | X R 1/9 |
| | Numeric value of gross weight per pack | |
| PO407 | 355 Unit or Basis for Measurement Code | X ID 2/2 |
| | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |

| | | | |
|--------------|-------------|--|------------------|
| PO408 | 385 | Gross Volume per Pack | X R 1/9 |
| | | Numeric value of gross volume per pack | |
| PO409 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO410 | 82 | Length | X R 1/8 |
| | | Largest horizontal dimension of an object measured when the object is in the upright position | |
| PO411 | 189 | Width | X R 1/8 |
| | | Shorter measurement of the two horizontal dimensions measured with the object in the upright position | |
| PO412 | 65 | Height | X R 1/8 |
| | | Vertical dimension of an object measured when the object is in the upright position | |
| PO413 | 355 | Unit or Basis for Measurement Code | X ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO414 | 810 | Inner Pack | O N0 1/6 |
| | | The number of eaches per inner container | |
| PO415 | 752 | Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| PO416 | 350 | Assigned Identification | X AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO417 | 350 | Assigned Identification | O AN 1/20 |
| | | Alphanumeric characters assigned for differentiation within a transaction set | |
| PO418 | 1470 | Number | O N0 1/9 |
| | | A generic number | |

Segment: **PKG** Marking, Packaging, Loading
Position: 420
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To describe marking, packaging, loading, and unloading requirements
Syntax Notes:

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

Semantic Notes:

- 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).

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|----------------|--|-------------------|
| <u>Des.</u> | <u>Element</u> | | |
| PKG01 | 349 | Item Description Type Code indicating the format of a description Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 1/1 |
| PKG02 | 753 | Packaging Characteristic Code Code specifying the marking, packaging, loading and related characteristics being described Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 1/5 |
| PKG03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| PKG04 | 754 | Packaging Description Code A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product | X AN 1/7 |
| PKG05 | 352 | Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| PKG06 | 400 | Unit Load Option Code Code identifying loading or unloading a shipment Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |

Segment: QTY Quantity
Position: 430
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify quantity information
Syntax Notes: 1 At least one of QTY02 or QTY04 is required.
 2 Only one of QTY02 or QTY04 may be present.
Semantic Notes: 1 QTY04 is used when the quantity is non-numeric.
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | QTY01 | 673 | Quantity Qualifier Code specifying the type of quantity Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | QTY02 | 380 | Quantity Numeric value of quantity | X R 1/15 |
| | QTY03 | C001 | Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use) | O |
| M | C00101 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00104 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00107 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00108 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| | C00109 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| | C00110 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | C00111 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |

| | | | |
|---------------|-------------|--|------------------|
| C00112 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| C00113 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| C00114 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| C00115 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| QTY04 | 61 | Free-Form Message Free-form information | X AN 1/30 |

Segment: **MEA** Measurements
Position: 440
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify physical measurements or counts, including dimensions, tolerances, variances, and weights (See Figures Appendix for example of use of C001)
Syntax Notes:

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

Semantic Notes:

- 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.

Data Element Summary

| Ref. | Data | | |
|-------------|----------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
| MEA01 | 737 | Measurement Reference ID Code | O ID 2/2 |
| | | Code identifying the broad category to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA02 | 738 | Measurement Qualifier | O ID 1/3 |
| | | Code identifying a specific product or process characteristic to which a measurement applies Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA03 | 739 | Measurement Value | X R 1/20 |
| | | The value of the measurement | |
| MEA04 | C001 | Composite Unit of Measure | X |
| | | To identify a composite unit of measure (See Figures Appendix for examples of use) | |
| M | C00101 | Unit or Basis for Measurement Code | M ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00102 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00103 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00104 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00105 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| | C00106 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| | C00107 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | |
| | C00108 | Exponent | O R 1/15 |

| | | | |
|---------------|-------------|--|-----------------|
| | | Power to which a unit is raised | |
| C00109 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00110 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00111 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00112 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| C00113 | 355 | Unit or Basis for Measurement Code | O ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| C00114 | 1018 | Exponent | O R 1/15 |
| | | Power to which a unit is raised | |
| C00115 | 649 | Multiplier | O R 1/10 |
| | | Value to be used as a multiplier to obtain a new value | |
| MEA05 | 740 | Range Minimum | X R 1/20 |
| | | The value specifying the minimum of the measurement range | |
| MEA06 | 741 | Range Maximum | X R 1/20 |
| | | The value specifying the maximum of the measurement range | |
| MEA07 | 935 | Measurement Significance Code | O ID 2/2 |
| | | Code used to benchmark, qualify or further define a measurement value | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA08 | 936 | Measurement Attribute Code | X ID 2/2 |
| | | Code used to express an attribute response when a numeric measurement value cannot be determined | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA09 | 752 | Surface/Layer/Position Code | O ID 2/2 |
| | | Code indicating the product surface, layer or position that is being described | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| MEA10 | 1373 | Measurement Method or Device | O ID 2/4 |
| | | The method or device used to record the measurement | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |

Segment: SAC Service, Promotion, Allowance, or Charge Information
Position: 450
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

- Syntax Notes:**
- 1 At least one of SAC02 or SAC03 is required.
 - 2 If either SAC03 or SAC04 is present, then the other is required.
 - 3 If either SAC06 or SAC07 is present, then the other is required.
 - 4 If either SAC09 or SAC10 is present, then the other is required.
 - 5 If SAC11 is present, then SAC10 is required.
 - 6 If SAC13 is present, then at least one of SAC02 or SAC04 is required.
 - 7 If SAC14 is present, then SAC13 is required.
 - 8 If SAC16 is present, then SAC15 is required.

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

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | SAC01 | 248 | Allowance or Charge Indicator Code which indicates an allowance or charge for the service specified Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 1/1 |
| | SAC02 | 1300 | Service, Promotion, Allowance, or Charge Code Code identifying the service, promotion, allowance, or charge Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 4/4 |
| | SAC03 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | SAC04 | 1301 | Agency Service, Promotion, Allowance, or Charge Code Agency maintained code identifying the service, promotion, allowance, or charge | X AN 1/10 |
| | SAC05 | 610 | Amount Monetary amount | O N2 1/15 |
| | SAC06 | 378 | Allowance/Charge Percent Qualifier Code indicating on what basis allowance or charge percent is calculated | X ID 1/1 |

| | | | | |
|--------------|------------|--|----------|----------------|
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC07 | 332 | Percent | X | R 1/6 |
| | | Percent expressed as a percent | | |
| SAC08 | 118 | Rate | O | R 1/9 |
| | | Rate expressed in the standard monetary denomination for the currency specified | | |
| SAC09 | 355 | Unit or Basis for Measurement Code | X | ID 2/2 |
| | | Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC10 | 380 | Quantity | X | R 1/15 |
| | | Numeric value of quantity | | |
| SAC11 | 380 | Quantity | O | R 1/15 |
| | | Numeric value of quantity | | |
| SAC12 | 331 | Allowance or Charge Method of Handling Code | O | ID 2/2 |
| | | Code indicating method of handling for an allowance or charge | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| SAC13 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |
| SAC14 | 770 | Option Number | O | AN 1/20 |
| | | A unique number identifying available promotion or allowance options when more than one is offered | | |
| SAC15 | 352 | Description | X | AN 1/80 |
| | | A free-form description to clarify the related data elements and their content | | |
| SAC16 | 819 | Language Code | O | ID 2/3 |
| | | Code designating the language used in text, from a standard code list maintained by the International Standards Organization (ISO 639) | | |

Segment: **MTX** Text
Position: 460
Loop: SLN Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify textual data
Syntax Notes: 1 If MTX01 is present, then MTX02 is required.
 2 If MTX03 is present, then MTX02 is required.
Semantic Notes:
Comments:

Data Element Summary

| <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|-------------|-------------|---|-------------------|
| MTX01 | 363 | Note Reference Code Code identifying the functional area or purpose for which the note applies Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 3/3 |
| MTX02 | 1551 | Message Text To transmit large volumes of message text | X AN 1/4096 |
| MTX03 | 1551 | Message Text To transmit large volumes of message text | O AN 1/4096 |
| MTX04 | 934 | Printer Carriage Control Code A field to be used for the control of the line feed of the receiving printer Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |

Segment: **LM** Code Source Information
Position: 470
Loop: LM Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit standard code list identification information
Syntax Notes:
Semantic Notes:
Comments: 1 LM02 identifies the applicable industry code list source information.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | LM01 | 559 | Agency Qualifier Code Code identifying the agency assigning the code values Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| | LM02 | 822 | Source Subqualifier A reference that indicates the table or text maintained by the Source Qualifier | O AN 1/15 |

Segment: **LQ** Industry Code
Position: 480
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: >1
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:

Data Element Summary

| Ref. | Data | Name | Attributes |
|-------------|----------------|---|-------------------|
| Des. | Element | | |
| LQ01 | 1270 | Code List Qualifier Code | O ID 1/3 |
| | | Code identifying a specific industry code list | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| LQ02 | 1271 | Industry Code | X AN 1/30 |
| | | Code indicating a code from a specific industry code list | |

Segment: N9 Reference Identification
Position: 490
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To transmit identifying information as specified by the Reference Identification Qualifier
Syntax Notes:

- 1 At least one of N902 or N903 is required.
- 2 If N906 is present, then N905 is required.
- 3 If either C04003 or C04004 is present, then the other is required.
- 4 If either C04005 or C04006 is present, then the other is required.

Semantic Notes:

- 1 N906 reflects the time zone which the time reflects.
- 2 N907 contains data relating to the value cited in N902.

Comments:

Data Element Summary

| | <u>Ref. Des.</u> | <u>Data Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|------------------|---------------------|---|-------------------|
| M | N901 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| | N902 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| | N903 | 369 | Free-form Description Free-form descriptive text | X AN 1/45 |
| | N904 | 373 | Date Date expressed as CCYYMMDD | O DT 8/8 |
| | N905 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | N906 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | N907 | C040 | Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| M | C04001 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/3 |
| M | C04002 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | M AN 1/30 |
| | C04003 | 128 | Reference Identification Qualifier Code qualifying the Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | C04004 | 127 | Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |

| | | | | |
|---------------|------------|---|----------|----------------|
| C04005 | 128 | Reference Identification Qualifier | X | ID 2/3 |
| | | Code qualifying the Reference Identification | | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | | |
| C04006 | 127 | Reference Identification | X | AN 1/30 |
| | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | | |

Segment: **DTM** Date/Time Reference
Position: 500
Loop: N9 Optional
Level: Detail
Usage: Optional
Max Use: >1
Purpose: To specify pertinent dates and times
Syntax Notes:

- 1 At least one of DTM02 DTM03 or DTM05 is required.
- 2 If DTM04 is present, then DTM03 is required.
- 3 If either DTM05 or DTM06 is present, then the other is required.

Semantic Notes:
Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | DTM01 | 374 | Date/Time Qualifier Code specifying type of date or time, or both date and time Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 3/3 |
| | DTM02 | 373 | Date Date expressed as CCYYMMDD | X DT 8/8 |
| | DTM03 | 337 | Time Time expressed in 24-hour clock time as follows: HHMM, or HHMMSS, or HHMMSSD, or HHMMSSDD, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59) and DD = decimal seconds; decimal seconds are expressed as follows: D = tenths (0-9) and DD = hundredths (00-99) | X TM 4/8 |
| | DTM04 | 623 | Time Code Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow Refer to 004010 Data Element Dictionary for acceptable code values. | O ID 2/2 |
| | DTM05 | 1250 | Date Time Period Format Qualifier Code indicating the date format, time format, or date and time format Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/3 |
| | DTM06 | 1251 | Date Time Period Expression of a date, a time, or range of dates, times or dates and times | X AN 1/35 |

Segment: **CTT** Transaction Totals
Position: 010
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Syntax Notes: 1 If either CTT03 or CTT04 is present, then the other is required.
 2 If either CTT05 or CTT06 is present, then the other is required.
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | CTT01 | 354 | Number of Line Items Total number of line items in the transaction set | M N0 1/6 |
| | CTT02 | 347 | Hash Total 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 being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field. | O R 1/10 |
| | CTT03 | 81 | Weight Numeric value of weight | X R 1/10 |
| | CTT04 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | CTT05 | 183 | Volume Value of volumetric measure | X R 1/8 |
| | CTT06 | 355 | Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 004010 Data Element Dictionary for acceptable code values. | X ID 2/2 |
| | CTT07 | 352 | Description A free-form description to clarify the related data elements and their content | O AN 1/80 |

Segment: **SE** Transaction Set Trailer
Position: 020
Loop:
Level: Summary
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)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

| | <u>Ref.</u> <u>Des.</u> | <u>Data</u> <u>Element</u> | <u>Name</u> | <u>Attributes</u> |
|---|----------------------------|-------------------------------|---|-------------------|
| M | SE01 | 96 | Number of Included Segments Total number of segments included in a transaction set including ST and SE segments | M N0 1/10 |
| M | SE02 | 329 | Transaction Set Control Number 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 |