

846 Inventory Inquiry/Advice

Functional Group ID=**IB**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Inventory Inquiry/Advice Transaction Set (846) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used in the following ways: (1) for a seller of goods and services to provide inventory information to a prospective purchaser, with no obligation to the purchaser to acquire these goods or services; (2) for a representative of a seller of goods and services to supply inventory information to that seller; (3) for one location to supply another location with inventory information; and (4) for an inquiry as to the availability of inventory with no obligation on the seller of goods and services to reserve that inventory.

Notes:

1. This transaction is used to request, inquire about, and cancel a physical inventory, and to request transaction history.

2. Use one occurrence of this transaction set to transmit a single or multiple transactions.

3. DoD logistics users should refer to the Defense Logistics Management System (DLMS) Supplement to the Federal Implementation Convention (IC) available at URL: <http://www.dla.mil/j-6/dlms>. The DLMS Supplement provides specific business rules, conditions, and authorized codes necessary for appropriate use of this IC within the DLMS.

Heading:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max. Use | Loop Repeat | Notes and Comments |
|--------------|----------|---------|--|-----------|----------|-------------|--------------------|
| 4 | 010 | ST | Transaction Set Header | M | 1 | | |
| 5 | 020 | BIA | Beginning Segment for Inventory Inquiry/Advice | M | 1 | | |
| Not Used | 040 | CUR | Currency | O | 1 | | |
| Not Used | 050 | DTM | Date/Time Reference | O | 10 | | |
| Not Used | 060 | REF | Reference Identification | O | 12 | | |
| Not Used | 070 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 075 | MEA | Measurements | O | 20 | | |
| LOOP ID - N1 | | | | | | 5 | |
| 7 | 080 | N1 | Name | O | 1 | | |
| Not Used | 090 | N2 | Additional Name Information | O | 2 | | |
| Not Used | 100 | N3 | Address Information | O | 2 | | |
| Not Used | 110 | N4 | Geographic Location | O | 1 | | |
| Not Used | 120 | REF | Reference Identification | O | 12 | | |
| Not Used | 130 | PER | Administrative Communications Contact | O | 3 | | |

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| LOOP ID - LM | | | 10 |
|--------------|-----|----|-----------------------------|
| Not Used | 140 | LM | Code Source Information O 1 |
| Not Used | 150 | LQ | Industry Code M 100 |

Detail:

| Page No. | Pos. No. | Seg. ID | Name | Req. Des. | Max. Use | Loop Repeat | Notes and Comments |
|---------------|----------|---------|--|-----------|----------|-------------|--------------------|
| LOOP ID - LIN | | | 10000 | | | | |
| 9 | 010 | LIN | Item Identification | M | 1 | | |
| Not Used | 030 | PID | Product/Item Description | O | 200 | | |
| Not Used | 040 | MEA | Measurements | O | 40 | | |
| Not Used | 050 | PKG | Marking, Packaging, Loading | O | 25 | | |
| 12 | 100 | DTM | Date/Time Reference | O | 10 | | |
| Not Used | 110 | CTP | Pricing Information | O | 25 | | |
| Not Used | 120 | CUR | Currency | O | 1 | | |
| Not Used | 130 | SAC | Service, Promotion, Allowance, or Charge Information | O | 25 | | |
| 13 | 140 | REF | Reference Identification | O | >1 | | |
| Not Used | 150 | PER | Administrative Communications Contact | O | 3 | | |
| Not Used | 220 | SDQ | Destination Quantity | O | 500 | | |
| Not Used | 230 | MAN | Marks and Numbers | O | 1 | | |
| Not Used | 235 | UIT | Unit Detail | O | 5 | | |
| Not Used | 240 | CS | Contract Summary | O | 1 | | |
| Not Used | 250 | DD | Demand Detail | O | >1 | | |
| Not Used | 255 | G53 | Maintenance Type | O | 1 | | |
| Not Used | 256 | PCT | Percent Amounts | O | >1 | | |
| Not Used | 257 | LDT | Lead Time | O | 12 | | |
| LOOP ID - LM | | | 10 | | | | |
| 15 | 260 | LM | Code Source Information | O | 1 | | |
| 16 | 270 | LQ | Industry Code | M | 100 | | |
| LOOP ID - SLN | | | 1000 | | | | |
| Not Used | 280 | SLN | Subline Item Detail | O | 1 | | |
| Not Used | 290 | PID | Product/Item Description | O | 200 | | |
| Not Used | 300 | MEA | Measurements | O | 40 | | |
| Not Used | 310 | PKG | Marking, Packaging, Loading | O | 25 | | |
| LOOP ID - MAN | | | 100 | | | | |
| Not Used | 312 | MAN | Marks and Numbers | O | 1 | | |
| Not Used | 314 | MEA | Measurements | O | 40 | | |
| LOOP ID - QTY | | | 99 | | | | |
| 17 | 320 | QTY | Quantity | O | 1 | | |
| Not Used | 330 | UIT | Unit Detail | O | 12 | | |
| Not Used | 340 | MEA | Measurements | O | 25 | | |
| Not Used | 350 | LDT | Lead Time | O | 12 | | |
| Not Used | 355 | DTM | Date/Time Reference | O | 10 | | |
| LOOP ID - SCH | | | 25 | | | | |
| Not Used | 360 | SCH | Line Item Schedule | O | 1 | | |

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| | | | | | | |
|----------------------|-----|-----|---------------------------------------|---|-----|----|
| Not Used | 370 | MEA | Measurements | O | 25 | |
| LOOP ID - LM | | | | | | |
| Not Used | 375 | LM | Code Source Information | O | 1 | >1 |
| Not Used | 376 | LQ | Industry Code | M | 100 | |
| Not Used | 380 | LS | Loop Header | O | 1 | |
| LOOP ID - REF | | | | | | |
| Not Used | 390 | REF | Reference Identification | O | 1 | n1 |
| Not Used | 400 | DTM | Date/Time Reference | O | >1 | |
| Not Used | 410 | N1 | Name | O | 1 | |
| LOOP ID - LM | | | | | | |
| Not Used | 420 | LM | Code Source Information | O | 1 | 10 |
| Not Used | 430 | LQ | Industry Code | M | 100 | |
| Not Used | 440 | LE | Loop Trailer | O | 1 | |
| LOOP ID - N1 | | | | | | |
| 19 | 450 | N1 | Name | O | 1 | |
| Not Used | 460 | N2 | Additional Name Information | O | 2 | |
| Not Used | 470 | N3 | Address Information | O | 2 | |
| Not Used | 480 | N4 | Geographic Location | O | 1 | |
| Not Used | 490 | REF | Reference Identification | O | 12 | |
| Not Used | 500 | PER | Administrative Communications Contact | O | 3 | |

Summary:

| <u>Page No.</u> | <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> |
|-----------------|-----------------|----------------|-------------------------|------------------|----------------|--------------------|---------------------------|
| Not Used | 010 | CTT | Transaction Totals | O | 1 | | n2 |
| 21 | 020 | SE | Transaction Set Trailer | M | 1 | | |

Transaction Set Notes

1. The REF loop conveys serial number, lot number, and inventory data.
2. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

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 846 Inventory Inquiry/Advice | 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 <i>A unique number assigned by the originator of the transaction set, or the originator's application program.</i> | M AN 4/9 |

Segment: **BIA** Beginning Segment for Inventory Inquiry/Advice
Position: 020
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set
Syntax Notes:
Semantic Notes:

- 1 BIA03 identifies the number of the inquiry/advice that is transferred.
- 2 BIA04 identifies the date of the inquiry/advice that is transferred.
- 3 BIA05 identifies the time of the inquiry/advice that is transferred.

Comments:

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Name</u> | <u>Attributes</u> |
|---|-------------|----------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> | | |
| M | BIA01 | 353 | Transaction Set Purpose Code | M ID 2/2 |
| | | | Code identifying purpose of transaction set | |
| | | | 00 Original | |
| | | | 77 Simulation Exercise | |
| M | BIA02 | 755 | Report Type Code | M ID 2/2 |
| | | | Code indicating the title or contents of a document, report or supporting item | |
| | | | AD Agent/Distributor Inventory Report | |
| | | | B1 Batch Report | |
| | | | DD Distributor Inventory Report | |
| | | | TC Physical Inventory Request | |
| | | | TF Transaction History Request | |
| M | BIA03 | 127 | Reference Identification | M AN 1/30 |
| | | | Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | |
| | | | <i>Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i> | |
| M | BIA04 | 373 | Date | M DT 8/8 |
| | | | Date expressed as CCYYMMDD | |
| | | | <i>This date is the date of the transaction set preparation and corresponds to the Universal Time Coordinate (UTC).</i> | |
| | BIA05 | 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) | |

Express the originating activity's time of transaction set preparation in UTC.

BIA06 **306** **Action Code** **O ID 1/2**

Code indicating type of action

Use any code.

Refer to 004010 Data Element Dictionary for acceptable code values.

| | |
|------------------------|---|
| Segment: | N1 Name |
| Position: | 080 |
| Loop: | N1 Optional (Must Use) |
| Level: | Heading |
| Usage: | Optional (Must Use) |
| Max Use: | 1 |
| Purpose: | To identify a party by type of organization, name, and code |
| Syntax Notes: | <ol style="list-style-type: none"> 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: | <ol style="list-style-type: none"> 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. |
| Notes: | <i>Must use this 1/N1/080 loop to identify the organization originating the transaction set.</i> |

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|---|-------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | | <u>Attributes</u> |
| M | N101 | 98 | Entity Identifier Code | M ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | | <i>Use any code.</i> | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| Not Used | N102 | 93 | Name | X AN 1/60 |
| | | | Free-form name | |
| Must Use | N103 | 66 | Identification Code Qualifier | X ID 1/2 |
| | | | Code designating the system/method of code structure used for Identification Code (67) | |
| | | 1 | D-U-N-S Number, Dun & Bradstreet | |
| | | 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | |
| | | 10 | Department of Defense Activity Address Code (DODAAC) | |
| | | M4 | Department of Defense Routing Identifier Code (RIC) | |
| Must Use | N104 | 67 | Identification Code | X AN 2/80 |
| | | | Code identifying a party or other code | |
| Not Used | N105 | 706 | Entity Relationship Code | O ID 2/2 |
| | | | Code describing entity relationship | |
| Must Use | N106 | 98 | Entity Identifier Code | O ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | FR | Message From | |

Must use with the appropriate 1/N101/080 code to indicate the organization cited in N104 is originating the transaction set.

Segment: **LIN** Item Identification

Position: 010

Loop: LIN Mandatory

Level: Detail

Usage: Mandatory

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

| | <u>Ref.</u> | <u>Data</u> | <u>Attributes</u> |
|----------|-------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> <u>Name</u> | |
| Not Used | LIN01 | 350 Assigned Identification Alphanumeric characters assigned for differentiation within a transaction set | O AN 1/20 |
| M | LIN02 | 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) <i>Use any code.</i> Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| M | LIN03 | 234 Product/Service ID Identifying number for a product or service | M AN 1/48 |
| | LIN04 | 235 Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) ZB Commercial and Government Entity (CAGE) Code | X ID 2/2 |

| | | | | |
|-----------------|--------------|------------|--|------------------|
| | LIN05 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN06 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN07 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN08 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN09 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN10 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN11 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN12 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN13 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN14 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN15 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN16 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN17 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN18 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN19 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |
| Not Used | LIN20 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X ID 2/2 |
| Not Used | LIN21 | 234 | Product/Service ID Identifying number for a product or service | X AN 1/48 |

| | | | | | |
|----------|-------|-----|--|---|---------|
| Not Used | LIN22 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X | ID 2/2 |
| Not Used | LIN23 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |
| Not Used | LIN24 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X | ID 2/2 |
| Not Used | LIN25 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |
| Not Used | LIN26 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X | ID 2/2 |
| Not Used | LIN27 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |
| Not Used | LIN28 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X | ID 2/2 |
| Not Used | LIN29 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |
| Not Used | LIN30 | 235 | Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) | X | ID 2/2 |
| Not Used | LIN31 | 234 | Product/Service ID Identifying number for a product or service | X | AN 1/48 |

Segment: **DTM** Date/Time Reference
Position: 100
Loop: LIN Mandatory
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

| | <u>Ref.</u> | <u>Data</u> | <u>Attributes</u> |
|----------|-------------|--|-------------------|
| | <u>Des.</u> | <u>Element Name</u> | |
| M | DTM01 | 374 Date/Time Qualifier | M ID 3/3 |
| | | Code specifying type of date or time, or both date and time <i>Use any code.</i> | |
| | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| Must Use | DTM02 | 373 Date | X DT 8/8 |
| | | Date expressed as CCYYMMDD | |
| Not Used | 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) | |
| Not Used | DTM04 | 623 Time Code | O ID 2/2 |
| | | Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow | |
| Not Used | DTM05 | 1250 Date Time Period Format Qualifier | X ID 2/3 |
| | | Code indicating the date format, time format, or date and time format | |
| Not Used | 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: **REF** **Reference Identification**
Position: 140
Loop: LIN Mandatory
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.</u> | <u>Data</u> | <u>Attributes</u> |
|----------|-------------|---|-------------------|
| | <u>Des.</u> | <u>Element</u> <u>Name</u> | |
| M | REF01 | 128 Reference Identification Qualifier Code qualifying the Reference Identification <i>Use any code.</i> | M ID 2/3 |
| Must Use | REF02 | 127 Reference Identification Refer to 004010 Data Element Dictionary for acceptable code values. Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier | X AN 1/30 |
| Not Used | REF03 | 352 Description A free-form description to clarify the related data elements and their content | X AN 1/80 |
| Not Used | REF04 | C040 Reference Identifier To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier | O |
| Not Used | C04001 | 128 Reference Identification Qualifier Code qualifying the Reference Identification | M ID 2/3 |
| Not Used | 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 |
| Not Used | C04003 | 128 Reference Identification Qualifier Code qualifying the Reference Identification | X ID 2/3 |
| Not Used | 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 |
| Not Used | C04005 | 128 Reference Identification Qualifier Code qualifying the Reference Identification | X ID 2/3 |
| Not Used | 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: **LM** Code Source Information
Position: 260
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.
Notes: *Use this 2/LM/260 loop to identify coded information maintained in department or agency documentation.*

Data Element Summary

| | <u>Ref.</u> | <u>Data</u> | <u>Attributes</u> |
|----------|-------------|--|-------------------|
| | <u>Des.</u> | <u>Element</u> <u>Name</u> | |
| M | LM01 | 559 Agency Qualifier Code Code identifying the agency assigning the code values DF Department of Defense (DoD) | M ID 2/2 |
| Not Used | 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: 270
Loop: LM Optional
Level: Detail
Usage: Mandatory
Max Use: 100
Purpose: Code to transmit standard industry codes
Syntax Notes: 1 If LQ01 is present, then LQ02 is required.
Semantic Notes:
Comments:
Notes: *Use to identify codes, as appropriate, consistent with management information requirements.*

Data Element Summary

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

Segment: **QTY** Quantity
Position: 320
Loop: QTY 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 02 Cumulative Quantity 46 Total transactions TT Total Production Volume UU Used | 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 <i>Use any code other than ZZ.</i> Refer to 004010 Data Element Dictionary for acceptable code values. | M ID 2/2 |
| Not Used | C00102 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| Not Used | C00103 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| Not Used | 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 | O ID 2/2 |
| Not Used | C00105 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| Not Used | C00106 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |

| | | | | |
|----------|--------|------|---|-----------|
| Not Used | 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 |
| Not Used | C00108 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| Not Used | C00109 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| Not Used | 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 | O ID 2/2 |
| Not Used | C00111 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| Not Used | C00112 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| Not Used | 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 | O ID 2/2 |
| Not Used | C00114 | 1018 | Exponent Power to which a unit is raised | O R 1/15 |
| Not Used | C00115 | 649 | Multiplier Value to be used as a multiplier to obtain a new value | O R 1/10 |
| Not Used | QTY04 | 61 | Free-Form Message Free-form information | X AN 1/30 |

Segment: **N1** Name
Position: 450
Loop: N1 Optional (Must Use)
Level: Detail
Usage: Optional (Must Use)
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.
Notes: *Must use this 2/N1/450 loop to identify the organization to receive the transaction.*

Data Element Summary

| Ref. | Data | | | |
|-------------|----------------|-------------|---|------------------|
| <u>Des.</u> | <u>Element</u> | <u>Name</u> | <u>Attributes</u> | |
| M | N101 | 98 | Entity Identifier Code | M ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | | <i>Use any code.</i> | |
| | | | Refer to 004010 Data Element Dictionary for acceptable code values. | |
| Not Used | N102 | 93 | Name | X AN 1/60 |
| | | | Free-form name | |
| Must Use | N103 | 66 | Identification Code Qualifier | X ID 1/2 |
| | | | Code designating the system/method of code structure used for Identification Code (67) | |
| | | 1 | D-U-N-S Number, Dun & Bradstreet | |
| | | 9 | D-U-N-S+4, D-U-N-S Number with Four Character Suffix | |
| | | 10 | Department of Defense Activity Address Code (DODAAC) | |
| | | M4 | Department of Defense Routing Identifier Code (RIC) | |
| Must Use | N104 | 67 | Identification Code | X AN 2/80 |
| | | | Code identifying a party or other code | |
| Not Used | N105 | 706 | Entity Relationship Code | O ID 2/2 |
| | | | Code describing entity relationship | |
| Must Use | N106 | 98 | Entity Identifier Code | O ID 2/3 |
| | | | Code identifying an organizational entity, a physical location, property or an individual | |
| | | TO | Message To | |

Must use with the appropriate 2/N101/450 code to indicate the organization cited in N104 is receiving the transaction.

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>Attributes</u> |
|---|----------------------------|----------------|---|-------------------|
| | | <u>Element</u> | <u>Name</u> | |
| M | SE01 | 96 | Number of Included Segments | M N0 1/10 |
| | | | Total number of segments included in a transaction set including ST and SE segments | |
| M | SE02 | 329 | Transaction Set Control Number | M AN 4/9 |
| | | | Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set | |
| | | | <i>Cite the same number as the one cited in ST02.</i> | |