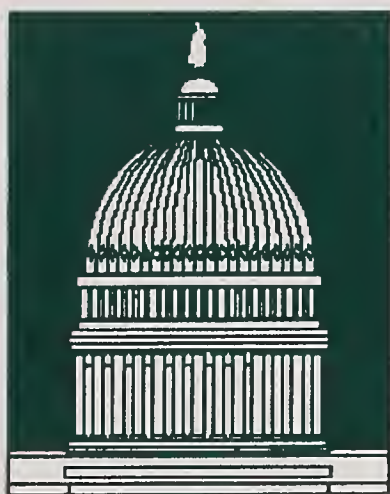




# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003060 Transaction Set 846P Inventory Inquiry/Advice (Physical Inventory/Transaction History)**

### **Implementation Convention**



U.S. DEPARTMENT OF COMMERCE  
Technology Administration  
National Institute of  
Standards and Technology

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1998

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<sup>1</sup>At Boulder, CO 80303.

<sup>2</sup>Some elements at Boulder, CO.

# **Federal Implementation Guideline for Electronic Data Interchange**

## **ASC X12 003060 Transaction Set 846P Inventory Inquiry/Advice (Physical Inventory/Transaction History)**

### **Implementation Convention**

Electronic Commerce Acquisition Program Management Office  
Standard Management Committee - Secretariat  
National Institute of Standards and Technology  
Gaithersburg, MD 20899-0001

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**U.S. DEPARTMENT OF COMMERCE**  
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**WASHINGTON: 1998**

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# 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. Owners/managers use this transaction set to request, inquire about, and cancel a physical inventory by a distribution depot/storage activity. Owners/managers use this transaction set to provide a distribution depot/storage activity with an inventory priority parameter report for use with developing physical inventory schedules. Owners/managers also use this transaction set to request transaction history.*
- 2. Distribution depots/storage activities use this transaction set to cancel and/or reschedule a physical inventory request by an owner/manager. Distribution depots/storage activities also use this transaction set to respond to a request for transaction history and an inquiry about a request for a physical inventory.*
- 3. Use a single occurrence of this transaction set to exchange transactions between a single owner/manager and a single or multiple distribution depots/storage activities, or between a single distribution depot/storage activity and a single or multiple owners/managers. Use one occurrence of this transaction set to transmit a single or multiple transactions.*

## Heading:

|              | Pos.<br>No. | Seg.<br>ID | Name                                           | Req.<br>Des. | Max.Use | Loop<br>Repeat | Notes and<br>Comments |
|--------------|-------------|------------|------------------------------------------------|--------------|---------|----------------|-----------------------|
| Must Use     | 010         | ST         | Transaction Set Header                         | M            | 1       |                |                       |
| Must Use     | 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              |                       |
| Must Use     | 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       |                |                       |
| LOOP ID - LM |             |            |                                                |              |         | 10             |                       |
| Not Used     | 140         | LM         | Code Source Information                        | O            | 1       |                |                       |
| Not Used     | 150         | LQ         | Industry Code                                  | M            | 100     |                |                       |

**Detail:**

|          | <u>Pos.<br/>No.</u> | <u>Seg.<br/>ID</u> | <u>Name</u>                                             | <u>Req.<br/>Des.</u> | <u>Max.Use</u> | <u>Loop<br/>Repeat</u> | <u>Notes and<br/>Comments</u> |
|----------|---------------------|--------------------|---------------------------------------------------------|----------------------|----------------|------------------------|-------------------------------|
|          |                     |                    | LOOP ID - LIN                                           |                      |                | 10000                  |                               |
| Must Use | 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             |                        |                               |
|          | 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<br>Information | O                    | 25             |                        |                               |
|          | 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              |                        |                               |
|          | 256                 | PCT                | Percent Amounts                                         | O                    | >1             |                        |                               |
|          | 257                 | LDT                | Lead Time                                               | O                    | 12             |                        |                               |
|          |                     |                    | LOOP ID - LM                                            |                      |                | 10                     |                               |
|          | 260                 | LM                 | Code Source Information                                 | O                    | 1              |                        |                               |
| Must Use | 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                     |                               |
| Not Used | 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              |                        |                               |
| Not Used | 370                 | MEA                | Measurements                                            | O                    | 25             |                        |                               |
|          |                     |                    | LOOP ID - LM                                            |                      |                | >1                     |                               |
| Not Used | 375                 | LM                 | Code Source Information                                 | O                    | 1              |                        |                               |
| Not Used | 376                 | LQ                 | Industry Code                                           | M                    | 100            |                        |                               |
| Not Used | 380                 | LS                 | Loop Header                                             | O                    | 1              |                        |                               |



## 846P - Inventory Inquiry/Advice (Physical Inventory/Transaction History)

|          |     |     | LOOP ID - REF                         |   | >1  |  |    |
|----------|-----|-----|---------------------------------------|---|-----|--|----|
| 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                          |   | 10  |  |    |
| Not Used | 420 | LM  | Code Source Information               | O | 1   |  |    |
| Not Used | 430 | LQ  | Industry Code                         | M | 100 |  |    |
| Not Used | 440 | LE  | Loop Trailer                          | O | 1   |  |    |
|          |     |     | LOOP ID - N1                          |   | 200 |  |    |
| Must Use | 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>Pos.</u> | <u>Seg.</u> | <u>Name</u>             | <u>Req.</u> | <u>Max.Use</u> | <u>Loop</u>   | <u>Notes and</u> |
|----------|-------------|-------------|-------------------------|-------------|----------------|---------------|------------------|
|          | <u>No.</u>  | <u>ID</u>   |                         | <u>Des.</u> |                | <u>Repeat</u> | <u>Comments</u>  |
| Not Used | 010         | CTT         | Transaction Totals      | O           | 1              |               | n2               |
| Must Use | 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) 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.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                                                                                                                                         | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | ST01                       | 143                           | Transaction Set Identifier Code<br>Code uniquely identifying a Transaction Set<br>846 X12.28 Inventory Inquiry/Advice                                                                                                                                                                               | M ID 3/3          |
| Must Use | ST02                       | 329                           | Transaction Set Control Number<br>Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set<br><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><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                                                                                                                                                                                                          | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | BIA01                      | 353                           | Transaction Set Purpose Code<br>Code identifying purpose of transaction set                                                                                                                                                                                                                                                                                          | M ID 2/2          |
|          |                            |                               | 00 Original                                                                                                                                                                                                                                                                                                                                                          |                   |
|          |                            |                               | 77 Simulation Exercise                                                                                                                                                                                                                                                                                                                                               |                   |
|          |                            |                               | <i>Use to identify a simulated mobilization exercise transaction set. Activities initiating simulated mobilization exercises must ensure complete coordination with all activities involved. All transaction set recipients must use extreme caution to ensure that individual transactions do not process as action documents which affect accountable records.</i> |                   |
| Must Use | BIA02                      | 755                           | Report Type Code<br>Code indicating the title or contents of a document, report or supporting item                                                                                                                                                                                                                                                                   | M ID 2/2          |
|          |                            |                               | DD Distributor Inventory Report                                                                                                                                                                                                                                                                                                                                      |                   |
|          |                            |                               | <i>Use to identify a response to a request for a physical inventory (does not include asset balances).</i>                                                                                                                                                                                                                                                           |                   |
|          |                            |                               | IP Inventory Parameter Report                                                                                                                                                                                                                                                                                                                                        |                   |
|          |                            |                               | <i>Use to identify an inventory priority parameter report.</i>                                                                                                                                                                                                                                                                                                       |                   |
|          |                            |                               | TC Physical Inventory Request                                                                                                                                                                                                                                                                                                                                        |                   |
|          |                            |                               | A request for or notification of a physical inventory action                                                                                                                                                                                                                                                                                                         |                   |
|          |                            |                               | <i>Use to identify a physical inventory request.</i>                                                                                                                                                                                                                                                                                                                 |                   |
|          |                            |                               | TF Transaction History Request                                                                                                                                                                                                                                                                                                                                       |                   |
|          |                            |                               | <i>Use to identify a transaction history request.</i>                                                                                                                                                                                                                                                                                                                |                   |
| Must Use | BIA03                      | 127                           | Reference Identification<br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier                                                                                                                                                                                                              | M AN 1/30         |
|          |                            |                               | <i>Use Code "Z" for this data element to satisfy mandatory X12 syntax requirements.</i>                                                                                                                                                                                                                                                                              |                   |
| Must Use | BIA04                      | 373                           | Date<br>Date (YYMMDD)                                                                                                                                                                                                                                                                                                                                                | M DT 6/6          |
|          |                            |                               | <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)                                                                                |                   |

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

Not Used

BIA06

306

*2. Express time in a four-position (HHMM) format.*

Action Code

O ID 1/2

Code indicating type of action

**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:** 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 1/N1/080 loop to identify the organization originating the transaction set.*

## Data Element Summary

|          | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | N101                       | 98                            | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br><i>Use only one of codes SB or Z4.</i><br>SB Storage Area<br><i>Use to indicate a depot or storage activity.</i><br>Z4 Owning Inventory Control Point<br>An inventory control organization responsible for management of a particular item                                                                                                                                               | M ID 2/2          |
| Not Used | N102                       | 93                            | <b>Name</b><br>Free-form name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | X AN 1/35         |
| Must Use | N103                       | 66                            | <b>Identification Code Qualifier</b><br>Code designating the system/method of code structure used for Identification Code (67)<br>1 D-U-N-S Number, Dun & Bradstreet<br>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix<br>10 Department of Defense Activity Address Code (DODAAC)<br>M4 Department of Defense Routing Identifier Code (RIC)<br>An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions | X ID 1/2          |
| Must Use | N104                       | 67                            | <b>Identification Code</b><br>Code identifying a party or other code                                                                                                                                                                                                                                                                                                                                                                                                                                          | X AN 2/20         |
| Not Used | N105                       | 706                           | <b>Entity Relationship Code</b><br>Code describing entity relationship                                                                                                                                                                                                                                                                                                                                                                                                                                        | O ID 2/2          |
| Must Use | N106                       | 98                            | <b>Entity Identifier Code</b><br>Code identifying an organizational entity, a physical location, or an individual<br>FR Message From<br><i>Must use with the appropriate 1/N101/080 code to indicate the organization cited in N104 is originating the transaction set.</i>                                                                                                                                                                                                                                   | O ID 2/2          |



**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.

**Notes:** *Must use the 2/LIN/010 loop to identify the material, transaction number, and inventory information associated with the transaction.*

## Data Element Summary

|          | Ref.<br>Des. | Data<br>Element | Name                                                                                                                                                                                                                                                                          | Attributes |
|----------|--------------|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Not Used | LIN01        | 350             | Assigned Identification<br>Alphanumeric characters assigned for differentiation within a transaction set                                                                                                                                                                      | O AN 1/20  |
| Must Use | LIN02        | 235             | Product/Service ID Qualifier<br>Code identifying the type/source of the descriptive number used in Product/Service ID (234)<br><i>Use only one of codes A1, A2, A4, FB, FS, MG, or YP to identify the item of inventory. Must use National Stock Number (NSN) when known.</i> | M ID 2/2   |
|          |              | A1              | Plant Equipment Number<br>Item identifier is a plant equipment number<br><i>Use to identify plant equipment.</i>                                                                                                                                                              |            |
|          |              | A2              | Department of Defense Identification Code (DoDIC)<br>Qualifies a code that uniquely identifies a type of explosive or ammunition<br><i>Use to identify ammunition items.</i>                                                                                                  |            |
|          |              | A4              | Subsistence Identification Number<br>Item identifier is a brand-name resale subsistence item<br><i>Use to identify subsistence items.</i>                                                                                                                                     |            |
|          |              | FB              | Form Number<br><i>Use to identify the form stock number.</i>                                                                                                                                                                                                                  |            |
|          |              | FS              | National Stock Number<br><i>Must use NSN when known.</i>                                                                                                                                                                                                                      |            |
|          |              | MG              | Manufacturer's Part Number<br><i>Use to identify nonstandard material.</i>                                                                                                                                                                                                    |            |

|          |       |     | YP                                                                                          | Publication Number                                                                                |         |
|----------|-------|-----|---------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|---------|
|          |       |     |                                                                                             | <i>Use to identify the publication stock number.</i>                                              |         |
| Must Use | LIN03 | 234 | Product/Service ID                                                                          | M                                                                                                 | AN 1/40 |
|          |       |     | 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) |                                                                                                   |         |
|          |       |     | ZB                                                                                          | Commercial and Government Entity (CAGE) Code                                                      |         |
|          |       |     |                                                                                             | A code that identifies a commercial contractor authorized to do business with the U.S. government |         |
|          |       |     |                                                                                             | <i>Use with LIN02 code MG to uniquely identify a manufacturer's part number.</i>                  |         |
|          | LIN05 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN07 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN09 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN11 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN13 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN15 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN17 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN19 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | 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) |                                                                                                   |         |
| Not Used | LIN21 | 234 | Product/Service ID                                                                          | X                                                                                                 | AN 1/40 |
|          |       |     | Identifying number for a product or service                                                 |                                                                                                   |         |
| Not Used | LIN22 | 235 | Product/Service ID Qualifier                                                                | X                                                                                                 | ID 2/2  |



|          |       |     |                                                                                                |           |
|----------|-------|-----|------------------------------------------------------------------------------------------------|-----------|
|          |       |     | Code identifying the type/source of the descriptive number used in<br>Product/Service ID (234) |           |
| Not Used | LIN23 | 234 | <b>Product/Service ID</b>                                                                      | X AN 1/40 |
|          |       |     | Identifying number for a product or service                                                    |           |
| Not Used | LIN24 | 235 | <b>Product/Service ID Qualifier</b>                                                            | X ID 2/2  |
|          |       |     | Code identifying the type/source of the descriptive number used in<br>Product/Service ID (234) |           |
| Not Used | LIN25 | 234 | <b>Product/Service ID</b>                                                                      | X AN 1/40 |
|          |       |     | Identifying number for a product or service                                                    |           |
| Not Used | LIN26 | 235 | <b>Product/Service ID Qualifier</b>                                                            | X ID 2/2  |
|          |       |     | Code identifying the type/source of the descriptive number used in<br>Product/Service ID (234) |           |
| Not Used | LIN27 | 234 | <b>Product/Service ID</b>                                                                      | X AN 1/40 |
|          |       |     | Identifying number for a product or service                                                    |           |
| Not Used | LIN28 | 235 | <b>Product/Service ID Qualifier</b>                                                            | X ID 2/2  |
|          |       |     | Code identifying the type/source of the descriptive number used in<br>Product/Service ID (234) |           |
| Not Used | LIN29 | 234 | <b>Product/Service ID</b>                                                                      | X AN 1/40 |
|          |       |     | Identifying number for a product or service                                                    |           |
| Not Used | LIN30 | 235 | <b>Product/Service ID Qualifier</b>                                                            | X ID 2/2  |
|          |       |     | Code identifying the type/source of the descriptive number used in<br>Product/Service ID (234) |           |
| Not Used | LIN31 | 234 | <b>Product/Service ID</b>                                                                      | X AN 1/40 |
|          |       |     | Identifying number for a product or service                                                    |           |



**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 DTM06 is required.  
2 If either DTM06 or DTM07 is present, then the other is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use for transaction history requests, reconciliation review requests, investigation/Transportation Discrepancy Report (TDR) requests and physical inventory reports to identify pertinent dates.*

## Data Element Summary

|          | Ref.        | Data           | Name                                                                                                                                                                                                                                                                                                               | Attributes |
|----------|-------------|----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
|          | <u>Des.</u> | <u>Element</u> |                                                                                                                                                                                                                                                                                                                    |            |
| Must Use | DTM01       | 374            | Date/Time Qualifier                                                                                                                                                                                                                                                                                                | M ID 3/3   |
|          |             |                | Code specifying type of date or time, or both date and time                                                                                                                                                                                                                                                        |            |
|          |             | 036            | Expiration                                                                                                                                                                                                                                                                                                         |            |
|          |             |                | Date coverage expires                                                                                                                                                                                                                                                                                              |            |
|          |             |                | <i>For subsistence items, use in physical inventory requests and physical inventory response transactions to identify the expiration date.</i>                                                                                                                                                                     |            |
|          |             | 090            | Report Start                                                                                                                                                                                                                                                                                                       |            |
|          |             |                | <i>Use in transaction history requests to identify the transaction history reporting start date.</i>                                                                                                                                                                                                               |            |
|          |             | 091            | Report End                                                                                                                                                                                                                                                                                                         |            |
|          |             |                | <i>Use in transaction history requests to identify the transaction history reporting end date.</i>                                                                                                                                                                                                                 |            |
|          |             | 510            | Date Packed                                                                                                                                                                                                                                                                                                        |            |
|          |             |                | <i>For subsistence items, use for physical inventory requests and physical inventory response transactions to identify the date packed.</i>                                                                                                                                                                        |            |
| Must Use | DTM02       | 373            | Date                                                                                                                                                                                                                                                                                                               | X DT 6/6   |
|          |             |                | Date (YYMMDD)                                                                                                                                                                                                                                                                                                      |            |
| 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 |            |
|          | DTM05       | 624            | Century                                                                                                                                                                                                                                                                                                            | O NO 2/2   |
|          |             |                | The first two characters in the designation of the year (CCYY)                                                                                                                                                                                                                                                     |            |
| Not Used | DTM06       | 1250           | Date Time Period Format Qualifier                                                                                                                                                                                                                                                                                  | X ID 2/3   |
|          |             |                | Code indicating the date format, time format, or date and time format                                                                                                                                                                                                                                              |            |
| Not Used | DTM07       | 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:**  
**Notes:** *Use to identify the transaction number.*

## Data Element Summary

|          | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                    | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | REF01                      | 128                           | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification<br>TN Transaction Reference Number<br><i>Use to identify the Transaction Number.</i> | M ID 2/3          |
| Must Use | REF02                      | 127                           | <b>Reference Identification</b><br>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                           | <b>Description</b><br>A free-form description to clarify the related data elements and their content                                                                           | X AN 1/80         |
| Not Used | REF04                      | C040                          | <b>Reference Identifier</b><br>To identify one or more reference numbers or identification numbers as specified by the Reference Qualifier                                     | O                 |
| Not Used | C04001                     | 128                           | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification                                                                                      | M ID 2/3          |
| Not Used | C04002                     | 127                           | <b>Reference Identification</b><br>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                           | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification                                                                                      | X ID 2/3          |
| Not Used | C04004                     | 127                           | <b>Reference Identification</b><br>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                           | <b>Reference Identification Qualifier</b><br>Code qualifying the Reference Identification                                                                                      | X ID 2/3          |
| Not Used | C04006                     | 127                           | <b>Reference Identification</b><br>Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier                 | X AN 1/30         |



**Segment:** **PCT** Percent Amounts  
**Position:** 256  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To qualify percent amounts and supply percent amounts  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**  
**Notes:** *Use only for inventory priority parameter reports to identify inventory prioritization information.*

## Data Element Summary

|          | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                                          | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | PCT01                      | 1004                          | Percent Qualifier<br>Code to qualify percent                                                                                                                                                         | M ID 1/2          |
|          |                            | 21                            | Annual Demand Quantity Weighting Factor<br><i>Use to identify the weighting factor applicable to the annual demand quantity expressed as a decimal (percentage) number, including the decimal.</i>   |                   |
|          |                            | 22                            | Annual Demand Value Weighting Factor<br><i>Use to identify the weighting factor applicable to the annual demand dollar value expressed as a decimal (percentage) number, including the decimal.</i>  |                   |
|          |                            | 23                            | Essentiality Weighting Factor<br><i>Use to identify the weighting factor applicable to the essentiality code value expressed as a decimal (percentage) number, including the decimal.</i>            |                   |
|          |                            | 24                            | Procurement Lead-time Weighting Factor<br><i>Use to identify the weighting factor applicable to the procurement lead time expressed as a decimal (percentage) number, including the decimal.</i>     |                   |
|          |                            | 25                            | Months To Procurement Weighting Factor<br><i>Use to identify the weighting factor applicable to the months-to-procurement expressed as a decimal (percentage) number, including the decimal.</i>     |                   |
|          |                            | 26                            | Annual Demand Frequency Weighting Factor<br><i>Use to identify the weighting factor applicable to the annual demand frequency expressed as a decimal (percentage) number, including the decimal.</i> |                   |
| Must Use | PCT02                      | 954                           | Percent<br>Percentage expressed as a decimal                                                                                                                                                         | M R 1/10          |



**Segment:** **LDT** Lead Time  
**Position:** 257  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Optional  
**Max Use:** 12  
**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.  
**Notes:** *Use only for inventory priority parameter reports to identify inventory prioritization information.*

## Data Element Summary

|          | Ref.<br>Des. | Data<br>Element | Name                                                                                                                                                                       | Attributes |
|----------|--------------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Must Use | LDT01        | 345             | Lead Time Code<br>Code indicating the time range                                                                                                                           | M ID 2/2   |
|          |              |                 | AS<br>Before inventory is replenished based on stock check<br><i>Use to identify the months-to-procurement, e.g., the months until initiation of the next acquisition.</i> |            |
|          |              |                 | BA<br>From Date of Award to Expiration Date of Authorization<br><i>Use to identify the procurement lead time.</i>                                                          |            |
| Must Use | LDT02        | 380             | Quantity<br>Numeric value of quantity<br><i>Express as a whole number with no decimals.</i>                                                                                | M R 1/15   |
| Must Use | LDT03        | 344             | Unit of Time Period or Interval<br>Code indicating the time period or interval                                                                                             | M ID 2/2   |
|          |              |                 | MO Month                                                                                                                                                                   |            |
| Not Used | LDT04        | 373             | Date<br>Date (YYMMDD)                                                                                                                                                      | O DT 6/6   |

**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><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                      | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | LM01                       | 559                           | Agency Qualifier Code<br>Code identifying the agency assigning the code values<br>DF Department of Defense (DoD) | M ID 2/2          |
| Not Used | LM02                       | 822                           | Source Subqualifier<br>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

| Ref.     | Data    | Name                                                                                                                                                                                                                                                                                                | Attributes |
|----------|---------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Des.     | Element |                                                                                                                                                                                                                                                                                                     |            |
| Must Use | LQ01    | 1270 Code List Qualifier Code<br>Code identifying a specific industry code list<br><i>Use only one of codes 99 or A1 (but not both) to identify material segregated by purpose or ownership.</i>                                                                                                    | O ID 1/3   |
|          |         | 0 Document Identification Code<br>Codes that subclassify a transaction                                                                                                                                                                                                                              |            |
|          |         | 83 Supply Condition Code<br>Classifies material by readiness for issue and use, describes actions underway to change the status of material, or identifies material as excess or not serviceable                                                                                                    |            |
|          |         | 84 Management Code<br>Supplemental information not covered by the transaction coding structure<br><i>Use in physical inventory request, physical inventory report/response, to provide supplemental management information.</i>                                                                     |            |
|          |         | 87 Subsistence Type of Pack Code<br>A certain level of protection from the packing or outside shipping container for perishable and nonperishable subsistence items<br><i>Use in physical inventory request and physical inventory response transactions to further identify subsistence items.</i> |            |
|          |         | 99 Purpose Code<br>Codes that inform the material owner why an inventory balance is being reserved                                                                                                                                                                                                  |            |
|          |         | A1 Ownership Code<br>Items included in the inventory records of an organization that is not the owner of the items                                                                                                                                                                                  |            |
|          |         | AK Distribution Code<br>Code identifying activities eligible to receive additional status                                                                                                                                                                                                           |            |
|          |         | DF Media and Status Code                                                                                                                                                                                                                                                                            |            |
|          |         | FC Type Physical Inventory or Transaction History Code<br>Identifies the type of inventory being conducted or requested, or identifies requests for transmission of custodial balances and history                                                                                                  |            |
|          |         | FF Essentiality Code                                                                                                                                                                                                                                                                                |            |



The essentiality of an item  
*Use only for inventory priority parameter reports to  
identify the essentiality code associated with the  
material.*

|          |      |      |                                                           |   |         |
|----------|------|------|-----------------------------------------------------------|---|---------|
| Must Use | LQ02 | 1271 | Industry Code                                             | X | AN 1/30 |
|          |      |      | Code indicating a code from a specific industry code list |   |         |

**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

|          | <u>Ref.</u><br><u>Des.</u> | <u>Data</u><br><u>Element</u> | <u>Name</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | <u>Attributes</u> |
|----------|----------------------------|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|
| Must Use | N101                       | 98                            | Entity Identifier Code<br>Code identifying an organizational entity, a physical location, or an individual<br><i>Use one of codes SB or Z4.</i><br>SB Storage Area<br><i>Use to identify a depot or storage activity.</i><br>Z4 Owning Inventory Control Point<br>An inventory control organization responsible for management of a particular item                                                                                                                                                    | M ID 2/2          |
| Not Used | N102                       | 93                            | Name<br>Free-form name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | X AN 1/35         |
| Must Use | N103                       | 66                            | Identification Code Qualifier<br>Code designating the system/method of code structure used for Identification Code (67)<br>1 D-U-N-S Number, Dun & Bradstreet<br>9 D-U-N-S+4, D-U-N-S Number with Four Character Suffix<br>10 Department of Defense Activity Address Code (DODAAC)<br>M4 Department of Defense Routing Identifier Code (RIC)<br>An integral and predetermined participant in an established logistical system performing general logistic control, distribution, and storage functions | X ID 1/2          |
| Must Use | N104                       | 67                            | Identification Code<br>Code identifying a party or other code                                                                                                                                                                                                                                                                                                                                                                                                                                          | X AN 2/20         |
| Not Used | N105                       | 706                           | Entity Relationship Code<br>Code describing entity relationship                                                                                                                                                                                                                                                                                                                                                                                                                                        | O ID 2/2          |
| Must Use | N106                       | 98                            | Entity Identifier Code<br>Code identifying an organizational entity, a physical location, or an individual<br>TO Message To<br><i>Must use with the appropriate 2/N101/450 code to indicate the organization cited in N104 is receiving the transaction.</i>                                                                                                                                                                                                                                           | O ID 2/2          |

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











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## *Periodical*

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