

RAPID GUIDELINES

For
**Electronic
Data
Interchange**

Transaction
Set

846

Inventory
Inquiry/Advice

June 1993 - Version 1.0

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AgChem Alliance for Electronic Communication

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| | |
|---|--------------|
| Alphabetical Listing of Segments | TOC 2 |
| Preface | i |
| Business Uses..... | iii |
| Business Use Element Code Definitions | iv |
| Inventory Reconciliation Formulas..... | vii |
| Transaction Set Tables | 1 |
| 846 Transaction Set | |
| ST - Transaction Set Header | 3 |
| BIA - Beginning Segment for Inventory Inquiry/Advice | 4 |
| DTM - Date-time Reference | 6 |
| N1 - Name | 8 |
| N2 - Additional Name Information | 10 |
| N3 - Address Information | 11 |
| N4 - Geographic Location | 12 |
| LIN - Item Identification | 14 |
| QTY - Quantity | 16 |
| NI - Name | 17 |
| N2 - Additional Name Information | 19 |
| N3 - Address Information | 20 |
| N4 - Geographic Location | 21 |
| CTT - Transaction Totals | 23 |
| SE - Transaction Set Trailer | 25 |
| Examples | |
| Overview..... | 27 |
| Agent Inventory Reporting from Agent to Manufacturer | 28 |
| Distributor Inventory Reporting from Distributor to Manufacturer | 33 |
| Manufacturer Owned Inventory Reporting from Manufacturer to Distributor | 38 |
| Manufacturer Owned Inventory Reporting from Distributor to Manufacturer | 42 |
| Bulk Inventory Reporting at Dealer Location from Manufacturer to Agent | 46 |
| Inventory Protection Reporting from Distributor to Manufacturer | 51 |

Appendixes

A Referenced ASC X12 Data Element Codes A-1
 309 - Location Qualifier A-1
 355 - Unit of Measurement Code..... A-1
 B Standards Maintenance..... B-1
 Committee Structure B-1
 Change Request Procedure B-2
 Change Request Forms B-3
 RAPID Guidelines - Change Request Forms
 ASC X12 Work Request Form
 Code Reference Form

Alphabetical Listing of Segments

| Segment | Page(s) |
|--|----------------|
| BIA - Beginning Segment for Inventory Inquiry/Advice | 4 |
| CTT - Transaction Totals | 23 |
| DTM - Date/Time Reference | 6 |
| LIN - Item Identification | 14 |
| N1 - Name | 8, 17 |
| N2 - Additional Name Information | 10, 19 |
| N3 - Address Information | 11, 20 |
| N4 - Geographic Location | 12, 21 |
| QTY - Quantity | 16 |
| SE - Transaction Set Trailer | 25 |
| ST - Transaction Set Header | 3 |

SUMMARY Responsible Agricultural Product and Information Distribution is a voluntary organization supporting the use of ANSI ASC X12 standards, and developing industry-specific guidelines for electronic communication of AgChem business transactions.

The information contained in this document is intended for use as a general guide to assist the user in implementing Electronic Data Interchange (EDI).

References to Responsible Agricultural Product and Information Distribution will be shown as "RAPID."

DOCUMENT BASIS RAPID has developed these industry-specific guidelines for the format and the data contents of an Inventory Inquiry/Advice (846), as they pertain specifically to the AgChem industry. This document is based on Version 3, Release 2 (003020) of the ANSI ASC X12 standard for the 846 Transaction Set. The syntax statements added to the standard are shown in shaded boxes. For Transaction Set 846, RAPID will accept "Any Valid Code" as specified by the ASC X12 003020, for the data elements stated in the Appendix A. They are included in exactly the same manner they are shown in the ASC X12 003020 for your convenience.

ELEMENT SYNTAX The top of each segment includes syntax as illustrated in the example below.

Example:

SYNTAX: **N2 * N201 [*][N202] N/L**

NOTATIONAL GUIDELINES—This document uses the following notational guidelines for element syntax.

- LITERAL** Words shown in uppercase bold in the syntax, must be entered exactly as shown.
- MANDATORY* Words typed in uppercase italic (without brackets) indicate a Mandatory Segment Element Entry. The allowable values are defined in the context.
- [OPTIONAL]* Optional Element values are included in square brackets. When using an optional Element value do not include the brackets.
- *
- An * (asterisk) has been used to identify Data Element Separators. Optional Separators are enclosed in square brackets. Refer to the ASC X12 standard for recommended Separators and use.
- N/L
- N/L has been used to identify the Segment Terminator. Refer to the ASC X12 standard for recommended Terminators and use.

**BUSINESS
USES**

The six business uses of Inventory Reporting that are defined in this guideline are:

| INVENTORY TYPE | REPORTING FROM | REPORTING TO |
|---|-----------------------|---------------------|
| Agent inventory | Agent | Manufacturer |
| Distributor inventory | Distributor | Manufacturer |
| Manufacturer Owned inventory | Manufacturer | Distributor |
| Manufacturer Owned inventory | Distributor | Manufacturer |
| Bulk inventory reporting at dealer location | Manufacturer | Agent |
| Inventory Protection | Distributor | Manufacturer |

The business uses that are to be reported via EDI are defined by individual trading partner agreement.

In each case, except for Bulk Inventory Reporting at Dealer Location, one 846 is sent for each storage location reporting inventory for the reporting period.

In the case of Bulk Inventory Reporting at Dealer Location, the storage location is identified within the detail; thus, only one 846 is sent for the reporting period.

It is only necessary to report:

- Storage locations that have had activity (shipments, receipts, etc.) or inventory not equal to zero
- Products that have had activity or inventory not equal to zero

For business uses where more than one type of quantity (quantity on hand, committed quantity, etc.) is valid, which types of quantities are to be reported via EDI are defined by individual trading partner agreement. For each type of quantity that is required by the trading partner agreement, that quantity is sent even if the quantity equals zero.

ELEMENT: 755
NAME: Report Type Code
USED IN: 846-BIA02

The following are the definitions for the report type codes used in the 846 - Inventory Inquiry/Advice Transaction Set.

AA Agent Inventory Report—A report from Agent to Manufacturer giving **agency product** inventory quantities.

DD Distributor Inventory Report—A report from Distributor to Manufacturer giving inventory quantities for distributor-owned product.

DM Distributor/Manufacturer Inventory Report—This code is used for similar information going in either direction.

It may be either:

1. A report from Manufacturer to Distributor giving manufacturer's records of how much **manufacturer owned product** is located at distributor locations.
2. A report from Distributor to Manufacturer giving inventory quantities for **manufacturer owned product** located at distributor locations.

IP Inventory Protection Report—A report from Distributor to Manufacturer giving quantities claimed for **Inventory Protection** programs.

RAPID recognizes the value in ANSI X12 of PIP' is 'Inventory Parameter'. For our purposes RAPID will refer to 'PIP' as 'Inventory Protection'.

MA Manufacturer/Agent Inventory Report - A report from Manufacturer to Agent reporting inventory quantities for **bulk product** stored at dealer locations.

ELEMENT: 673
NAME: Quantity Qualifier Definitions
USED IN: 846-QTY01

The following are the definitions for the quantity qualifiers that are used in the 846 - Inventory Inquiry/Advice Transaction Set. These definitions are defined from the distributor/agent point of view, having an increase/decrease impact on their inventory. If unusable quantity can be reported, it will be included in each category.

- 17 Quantity On Hand**—The ending balance of product.
- 20 Unusable Quantity**—The total quantity of a product that can not be sold. It includes the total quantity of damaged, quarantined, recalled or otherwise unsalable product.
- 27 Committed Quantity**—The total quantity ordered by a customer from the agent/distributor that has not yet been shipped (decrease inventory).

This quantity may or may not include prepaid quantity based on trading partner agreement.

- 38 Original Quantity**—The beginning balance of inventory reported. This equals the ending balance of the previous period's inventory for that product.
- 39 Shipped Quantity**—The shipments out of a warehouse.

Includes:

Sales (decrease inventory)

Sample product (decrease inventory)

Stock transfers to other warehouses where product ownership does not change (decrease inventory)

Returns to the manufacturer (decrease inventory)

- 75 Receipts**—The receipts into a warehouse.

Includes:

Receipts from the manufacturer (increase inventory)

Returns from a customer (increase inventory)

Stock transfers in from other warehouses where product ownership does not change (increase inventory)

AJ Adjustments—The total NET quantity of adjustments made to the inventory balance during the reporting period to reflect changes in inventory not caused by product movement.

This total should not include inventory quantity balance changes that are a result of:

Receipts from the manufacturer

Returns to the manufacturer

Shipments to a customer

Returns from a customer

Stock transfers in from other warehouses operated by the agent/distributor

Stock transfers out to other warehouses operated by the agent/distributor

If the decreases to inventory are greater than the increases, this quantity will be a negative number.

INVENTORY RECONCILIATION FORMULAS

The following are two formulas which can be used to reconcile the inventory that is reported. If a particular category is not reported, that quantity will be zero in the formula.

QUANTITY ON HAND

To calculate QUANTITY ON HAND (Qualifier of '17'):

| | | |
|--------------------|---|-------------------|
| Original Quantity | - | Qualifier of '38' |
| + Receipts | - | Qualifier of '75' |
| - Shipped Quantity | - | Qualifier of '39' |
| + Adjustments | - | Qualifier of 'AJ' |
| = Quantity on Hand | - | Qualifier of '17' |

QUANTITY AVAILABLE FOR SALE

To calculate AVAILABLE FOR SALE:

| | | |
|----------------------|---|-------------------|
| Quantity on Hand | - | Qualifier Of '17' |
| - Committed Quantity | - | Qualifier Of '27' |
| - Unusable Quantity | - | Qualifier Of '20' |
| = Available For Sale | | |

Notes

INITIATOR Manufacturer/Agent

PURPOSE The purpose of this transaction set is to transmit the contents of an Inventory Inquiry/Advice Transaction Set within the context of an Electronic Data Interchange environment.

USE The Inventory Inquiry/Advice Transaction Set may 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.

FUNCTIONAL GROUP ID IB

TABLE 1

| Pos No. | Loop Repeat | Seg ID | Segment Name | Requirement | Max Use | Page No. |
|---------|-------------|--------|--|-------------|---------|----------|
| 010 | | ST | Transaction Set Header | M | 1 | 3 |
| 020 | | BIA | Beginning Segment for Inventory Inquiry/Advice | M | 1 | 4 |
| 030 | | NTE | Note/Special Instruction | F | 25 | N/U |
| 040 | | CUR | Currency | O | 1 | N/U |
| 050 | | DTM | Date/Time Reference | O | 10 | 6 |
| 060 | | REF | Reference Numbers | O | 12 | N/U |
| 070 | | PER | Admin. Communications Contact | O | 3 | N/U |
| 080 | 5 | N1 | Name | O | 1 | 8 |
| 090 | | N2 | Additional Name Information | O | 2 | 10 |
| 100 | | N3 | Address Information | O | 2 | 11 |
| 110 | | N4 | Geographic Location | O | 1 | 12 |
| 120 | | REF | Reference Numbers | O | 12 | N/U |
| 130 | N1 | PER | Admin. Communications Contact | O | 3 | N/U |

TABLE 2

| Pos. No | Loop Repeat | Seg. ID | Segment Name | Requirement | Max Use | Page No | |
|---------|-------------|---------|--|--------------------------|---------|---------|-----|
| 010 | 10000 | LIN | Item Identification | M | 1 | 14 | |
| 030 | | PID | Product/Item Description | O | 200 | N/U | |
| 040 | | MEA | Measurements | O | 40 | N/U | |
| 050 | | PKG | Marking, Packaging, Loading | O | 25 | N/U | |
| 100 | | DTM | Date/Time Reference | O | 10 | N/U | |
| 110 | | CTP | Pricing Information | O | 25 | N/U | |
| 120 | | CUR | Currency | O | 1 | N/U | |
| 130 | | SSS | Special Services | O | 25 | N/U | |
| 140 | | REF | Reference Numbers | O | 12 | N/U | |
| 150 | | PER | Administrative Communications Contact | O | 3 | N/U | |
| 220 | | SDQ | Destination Quantity | O | 500 | N/U | |
| 230 | | MAN | Marks and Numbers | O | 1 | N/U | |
| 231 | | 1000 | SLN | Subline item Detail | O | 1 | N/U |
| 232 | | | PID | Product/Item Description | O | 200 | N/U |
| 233 | | | MEA | Measurements | O | 40 | N/U |
| 234 | SLN | PKG | Marking, Packaging, Loading | O | 25 | N/U | |
| 235 | 99 | QTY | Quantity | O | 1 | 16 | |
| 236 | | UIT | Unit Detail | O | 12 | N/U | |
| 237 | | SCH | Line Item Schedule | O | 25 | NIU | |
| 238 | QTY | LDT | Lead Time | O | 12 | N/U | |
| 239 | 5 | N1 | Name | O | 1 | 17 | |
| 240 | | N2 | Additional Name Information | O | 2 | 19 | |
| 241 | | N3 | Address Information | O | 2 | 20 | |
| 242 | | N4 | Geographic Location | O | 1 | 21 | |
| 243 | | REF | Reference Numbers | O | 12 | N/U | |
| 244 | N1 | PER | Administrative Communications Contact | O | 3 | N/U | |
| | LIN | | | | | | |

TABLE 3

| Pos. No | Loop Repeat | Seg. ID | Segment Name | Requirement | Max Use | Page No |
|---------|-------------|---------|-------------------------|-------------|---------|---------|
| 010 | | CTT | Transaction Totals | M 1 | 1 | 23 |
| 020 | | SE | Transaction Set Trailer | M 1 | 1 | 25 |

NOTE

* **Table 3/Position 010** - Number of line items (CTT01) is the accumulation of the number of LIN segments. If used, hash total (CTT02) is the sum of the values of the quantities (QTY02) of each QTY segment.

| |
|-----------|
| ST |
|-----------|

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

SYNTAX ST * ST01 * ST02 N/L

COMMENTS The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

*

| | |
|--|------------|
| ST01 | 143 |
| Transaction Set Identifier Code | |
| M | ID 3/3 |

Code uniquely identifying a transaction set.

*

| | |
|---------------------------------------|------------|
| ST02 | 329 |
| Transaction Set Control Number | |
| M | AN 4/9 |

Identifying control number assigned by the originator for a transaction set.

N/L

BIA

PURPOSE: To indicate the beginning of an Inventory Inquiry/Advice Transaction Set.

SYNTAX: BIA * BIA01 * BIA02 * BIA03 * BIA04 N/L

- COMMENTS:**
- A. BIA03 identifies the number of the inquiry/advice that is transferred.
 - B. BIA04 identifies the date of the inquiry/advice that is transferred.
 - C. BIA05 identifies the time of the inquiry/advice that is transferred.

*

| | |
|------------------------|--------|
| BIA01 | 353 |
| Transaction Set | |
| Purpose Code | |
| M | ID 2/2 |

Code identifying purpose of transaction set.

- 00 Original
- 08 Status

*

| | |
|--------------------|--------|
| BIA02 | 755 |
| Report Type | |
| Code | |
| M | ID 2/2 |

Code indicating the title and/or contents of a document or report.

See page iv in the Business Use Element Code Definitions section for Business Use Definitions.

- AA Agent Inventory Report
- DD Distributor Inventory Report
- DM Distributor/Manufacturer Inventory Report
- IP Inventory Protection
- MA Manufacturer/Agent Inventory Report

RAPID recognizes the value in ANSI X12 of 'IP' as 'Inventory Parameter'. For our purposes RAPID will refer to 'IP' as 'Inventory Protection'.

*

| | | |
|--------------|------------------|------|
| BIA03 | | 127 |
| | Reference | |
| | Number | |
| M | AN | 1/30 |

Reference number or identification number as defined for a particular transaction set, or as specified by the Reference Number Qualifier.

Trading Partner defined.

*

| | | |
|--------------|-------------|-----|
| BIA04 | | 373 |
| | Date | |
| M | DT | 6/6 |

Date (YYMMDD).

As of date.

*

| | | |
|--------------|-------------|-----|
| BIA05 | | 337 |
| | Time | |
| O | TM | 4/6 |

Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959).

Not Used

N/L

DTM

PURPOSE: To specify pertinent dates and times.

SYNTAX: **DTM** * *DTM01* * [*DTM02*][*] [*DTM03*] N/L

SYNTAX NOTES: 1. At least one of DTM02 or DTM03 is required.

*

| | | | | | |
|--------------|------------------|-----|-----|--|--|
| DTM01 | | 374 | | | |
| | Date/Time | | | | |
| | Qualifier | | | | |
| M | ID | | 3/3 | | |

Code specifying type of date or time, or both date and time.

- 090 Report Start Date
- 091 Report End Date

*

| | | | | | |
|--------------|-------------|-----|-----|--|--|
| DTM02 | | 373 | | | |
| | Date | | | | |
| X | DT | | 6/6 | | |

Date (YYMMDD).

At least one of DTM02 or DTM03 is required.

*

| | | | | | |
|--------------|-------------|-----|-----|--|--|
| DTM03 | | 337 | | | |
| | Time | | | | |
| X | TM | | 4/6 | | |

Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959).

Optional based on partnership agreement.

At least one of DTM02 or DTM03 is required.

*

| | | | | | |
|--------------|------------------|-----|-----|--|--|
| DTM04 | | 623 | | | |
| | Time Code | | | | |
| O | ID | | 2/2 | | |

Code identifying the time.

Not Used

*

| | |
|----------------|--------|
| DTM05 | 624 |
| Century | |
| O | N0 2/2 |

The first two characters in the designation of the year (CCYY).

Not Used

N/L

| |
|-----------|
| N1 |
|-----------|

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

SYNTAX: **N1** * *N101* * [*N102*] [*] [*N103*] [*] [*N104*]
N/L

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.

COMMENTS 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.

*

| | |
|-------------------------------|--------|
| N101 | 98 |
| Entity Identifier Code | |
| M | ID 2/2 |

Code identifying an organizational entity or a physical location.

| | |
|----|-----------------------|
| AG | Agent |
| BT | Bill To |
| DB | Distributor Branch |
| DS | Distributor |
| MF | Manufacturer of Goods |
| ST | Ship To |
| WH | Warehouse |

*

| | |
|-------------|---------|
| N102 | 93 |
| Name | |
| X | AN 1/35 |

Free-form name.

At least one of N102 or N103 is required, N103 is preferred.

*

| | | |
|--|----|-----------|
| N103 | | 66 |
| Identification Code Qualifier | | |
| X | ID | 1/2 |

Code designating the system/method of code structure used for identification Code (67).

9 DUNS number + 4 digits

At least one of N102 or N103 is required, N103 is preferred.

If either N103 or N104 is present, then the other is required.

*

| | | |
|--------------------------------|----|-----------|
| N104 | | 67 |
| Identification Code | | |
| X | AN | 2/17 |

Code identifying a party.

If either N103 or N104 is present, then both are required.

N/L

| |
|-----------|
| N2 |
|-----------|

| | |
|-----------------|---|
| PURPOSE: | To specify additional names or those longer than 35 characters in length. |
| SYNTAX: | N2 * N201 [*] [N202] N/L |

*

| | |
|-------------|---------|
| N201 | 93 |
| Name | |
| M | AN 1/35 |

Free-form name.

*

| | |
|-------------|---------|
| N202 | 93 |
| Name | |
| O | AN 1/35 |

Free-form name.

N/L

| |
|-----------|
| N3 |
|-----------|

| | |
|-----------------|---|
| PURPOSE: | To specify the location of the named party. |
|-----------------|---|

| | |
|----------------|---------------------------------|
| SYNTAX: | N3 * N301 [*] [N302] N/L |
|----------------|---------------------------------|

*

| | | |
|-------------|----------------|------|
| N301 | | 166 |
| | Address | |
| M | AN | 1/35 |

Address Information.

*

| | | |
|-------------|----------------|------|
| N302 | | 166 |
| | Address | |
| O | AN | 1/35 |

Address Information.

N/L

N4

PURPOSE: To specify the geographic place of the named party.

SYNTAX: N4 * [N401] [*] [N402] [*] [N403] [*] [N404] [*] [N405] [*] [N406] N/L

SYNTAX NOTES:

1. At least one of N401 or N405 is required.
2. If either N405 or N406 is present, then the other is required.

COMMENTS

- A. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
- B. N402 is required only if city name (N401) is in the USA or Canada.

*

| | | |
|-------------|------------------|------|
| N401 | | 19 |
| | City Name | |
| X | AN | 2/19 |

Free-form text for city name.

At least one of N401 or N405 is required.

*

| | | |
|-------------|-------------------------------|-----|
| N402 | | 156 |
| | State or Province Code | |
| O | ID | 2/2 |

Code (Standard State/Province) as defined by appropriate government agency.

Required if N401 is used.

*

| | | |
|-------------|--------------------|-----|
| N403 | | 116 |
| | Postal Code | |
| O | ID | 4/9 |

Code defining international postal zone code excluding punctuation and blanks (zip code for United States).

Optional based on partnership agreement.

| | | |
|-------------|---------------------|-----|
| N404 | | 26 |
| | Country Code | |
| O | ID | 2/2 |

Code identifying the country.

Optional based on partnership agreement.

Not used for domestic locations.

*

| | | |
|-------------|---------------------------|-----|
| N405 | | 309 |
| | Location Qualifier | |
| X | ID | 1/2 |

Code identifying type of location.

"Any Valid Code" See Appendix A.

Optional based on partnership agreement.

At least one of N401 or N405 is required.

If either N405 or N406 is present, then the other is required.

*

| | | |
|-------------|----------------------------|------|
| N406 | | 310 |
| | Location Identifier | |
| X | AN | 1/25 |

Code which identifies a specific location.

Optional based on partnership agreement.

If either N405 or N406 is present, then the other is required.

N/L

LIN

PURPOSE: To specify basic item identification data.

SYNTAX: **LIN** * [LIN01] * LIN02 * LIN03 [*] [LIN04] [*]
 [LIN05] [*] [LIN06] [*] [LIN07] [*] [LIN08] [*]
 [LIN09] [*] [LIN10] [*] [LIN11] [*] [LIN12] [*]
 [LIN13] [*] [LIN14] [*] [LIN15] [*] [LIN16] [*]
 [LIN17] [*] [LIN18] [*] [LIN19] [*] [LIN20] [*]
 [LIN21] [*] [LIN22] [*] [LIN23] [*] [LIN24] [*]
 [LIN25] [*] [LIN26] [*] [LIN27] [*] [LIN28] [*]
 [LIN29] [*] [LIN30] [*] [LIN31] N/L

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

- COMMENTS**
- A. See the Data Dictionary for a complete list of ID's.
 - B. LIN01 is the line item identification.
 - C. LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item.
 For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

*

| | |
|------------------------------------|---------|
| LIN01 | 350 |
| Assigned Identification | |
| O | AN 1/11 |

Alphanumeric characters assigned for differentiation within a transaction set.

Sequential number.

*

| | |
|---|--------|
| LIN02 | 235 |
| Product/Service ID Qualifier | |
| M | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234).

MG Manufacturer part number

*

| | |
|---------------------------|---------|
| LIN03 | 234 |
| Product/Service ID | |
| M | AN 1/30 |

Identifying number for a product or service.

Product Number.

*

| | |
|--------------------------|---------|
| LIN04 | |
| O | ID 2/2 |
| Through LIN31 | |
| X | AN 1/30 |

These elements are used to identify the same product with a different qualifier and identification number.

LIN04 through LIN31 is a repeat looping of LIN02 and LIN03. If LIN<even> is present then LIN<odd> is required. (e.g., If LIN04 is present, then LIN05 is required.)

LIN04 through LIN31 Not Used

N/L

| |
|------------|
| QTY |
|------------|

PURPOSE: To specify quantity information.

SYNTAX: QTY * QTY01 * QTY02 [*][QTY03] N/L

*

| | |
|---------------------------|--------|
| QTY01 | 673 |
| Quantity Qualifier | |
| M | ID 2/2 |

Code specifying the type of quantity.

See page v in the Business Use Element Code Definitions section for Business Use Definitions.

- 17 Quantity On Hand
- 20 Unusable Quantity
- 27 Committed Quantity
- 38 Original Quantity
- 39 Shipped Quantity
- 75 Receipts
- AJ Adjustments

*

| | |
|-----------------|--------|
| QTY02 | 380 |
| Quantity | |
| M | R 1/15 |

Numeric value of quantity.

*

| | |
|----------------------------|--------|
| QTY03 | 355 |
| Unit of Measurement | |
| O | ID 2/2 |

Code identifying the basic unit of measurement. Unit of measure should be reported in the lowest value practical, based on partnership agreement.

“Any Valid Code” See Appendix A.

N/L

N1

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

SYNTAX: **N1 * N101 [*] [N102] [*] [N103] [*] [N404] N/L**

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.

COMMENTS 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.

*

| | | |
|-------------------------------|----|-----|
| N101 | | 98 |
| Entity Identifier Code | | |
| M | ID | 2/2 |

Code identifying an organizational entity or a physical location.

ST Ship to

*

| | | |
|-------------|----|------|
| N102 | | 93 |
| Name | | |
| X | AN | 1/35 |

Free-form name.

At least one of N102 or N103 is required, N103 is preferred.

*

| | | |
|-------------------------------------|----|-----|
| N103 | | 66 |
| Identification Code Qualifer | | |
| X | ID | 1/2 |

Code designating the system/method of code structure used for Identification Code (67).

9 Duns number + 4 digits

At least one of N102 or N103 is required, N103 is preferred.

If either N103 or N104 is present, then the other is required.

*

| | |
|--------------------------------|---------|
| N104 | 67 |
| Identification Code | |
| X | AN 2/17 |

Code identifying a party.

If either N103 or N104 is present, then the other is required.

N/L

| |
|-----------|
| N2 |
|-----------|

| | |
|-----------------|---|
| PURPOSE: | To specify additional names or those longer than 35 characters in length. |
|-----------------|---|

| | |
|----------------|---------------------------------|
| SYNTAX: | N2 * N201 [*] [N202] N/L |
|----------------|---------------------------------|

*

| | | |
|-------------|-------------|------|
| N201 | | 93 |
| | Name | |
| M | AN | 1/35 |

Free-form name

*

| | | |
|-------------|-------------|------|
| N202 | | 93 |
| | Name | |
| O | AN | 1/35 |

Free-form name

N/L

N3

PURPOSE: To specify the location of the named party.

SYNTAX: N3 * N301 [*] [N302] N/L

*

| | |
|----------------|---------|
| N301 | 166 |
| Address | |
| M | AN 1/35 |

Address information.

*

| | |
|----------------|---------|
| N302 | 166 |
| Address | |
| O | AN 1/35 |

Address information.

N/L

N4

PURPOSE: To specify the geographic place of the named party.

SYNTAX: **N4** * [N401] [*] [N402] [*] [N403] [*] [N404] [*] [N405] [*] [N406] N/L

SYNTAX NOTES:

1. At least one of N401 or N405 is required.
2. If either N405 or N406 is present, then the other is required.

COMMENTS

- A. A combination of either N401 through N404 (or N405 and N406) may be adequate to specify a location.
- B. N402 is required only if city name (N401) is in the USA or Canada.

*

| | |
|------------------|---------|
| N401 | 19 |
| City Name | |
| X | AN 2/19 |

Free-form text for city name.

At least one of N401 or N405 is required.

*

| | |
|-------------------------------|--------|
| N402 | 156 |
| State or Province Code | |
| O | ID 2/2 |

Code (Standard State/Province) as defined by appropriate government agency.

*

| | |
|--------------------|--------|
| N403 | 116 |
| Postal Code | |
| O | ID 4/9 |

Code defining international postal zone code excluding punctuation and blanks (zip code for United States).

*

| | | |
|---------------------|----|-----|
| N404 | | 26 |
| Country Code | | |
| O | ID | 2/2 |

Code identifying the country.
 Optional based on partnership agreement.
 Not Used for domestic locations.

*

| | | |
|---------------------------|----|-----|
| N405 | | 309 |
| Location Qualifier | | |
| X | ID | 1/2 |

Code identifying type of location.
"Any Valid Code" See Appendix A.
 At least one of N401 or N405 is required.
 If either N405 or N406 is present, then the other is required.

*

| | | |
|----------------------------|----|------|
| N406 | | 310 |
| Location Identifier | | |
| X | AN | 1/25 |

Code which identifies a specific location.
 If either N405 or N406 is present, then the other is required.

N/L

| |
|-----|
| CTT |
|-----|

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

SYNTAX: CTT * CTT01 [*] [CTT02] [*] [CTT03] [*] [CTT04] [*] [CTT05] [*] [CTT06] [*] [CTT07] N/L

SYNTAX NOTES:

1. If CTT03 is present, then CTT04 is required.
2. If CTT05 is present, then CTT06 is required.

COMMENTS

- A. This segment is intended to provide hash totals to validate transaction completeness and correctness.
- B. Number of line items (CTT01) is the accumulation of number of LIN segments. If used, hash total (C1102) is the sum of the values of the quantities (QTY02) of each QTY segment.

*

| | | | |
|-----------------------------|-----|-----|--|
| CTT01 | 354 | | |
| Number of Line Items | | | |
| M | NO | 1/6 | |

Total number of line items in the transaction set.

Total number of LIN segments.

*

| | | | |
|-------------------|-----|------|--|
| CTT02 | 347 | | |
| Hash Total | | | |
| O | R | 1/10 | |

Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.

Optional based on partnership agreement.

*

| | |
|---------------|-------|
| CTT03 | 81 |
| Weight | |
| O | R 1/8 |

Numeric value of weight.
 If CTT03 is present, then CTT04 is required.
 Optional based on partnership agreement.

*

| | |
|---------------------------------|--------|
| CTT04 | 355 |
| Unit of Measurement Code | |
| X | ID 2/2 |

Code identifying the basic unit of measurement.
"Any Valid Code" See Appendix A.
 Optional based on partnership agreement.
 If CTT03 is present, then CTT04 is required.

*

| | |
|---------------|-------|
| CTT05 | 183 |
| Volume | |
| O | R 1/8 |

Value of volumetric measure.
 Optional based on partnership agreement.
 If CTT05 is present, then CTT06 is required.

*

| | |
|---------------------------------|--------|
| CTT06 | 355 |
| Unit of Measurement Code | |
| X | ID 2/2 |

Code identifying the basic unit of measurement.
"Any Valid Code" See Appendix A.
 Optional based on partnership agreement.
 If CTT05 is present, then CTT06 is required.

*

| | |
|--------------------|---------|
| CTT07 | 352 |
| Description | |
| O | AN 1/80 |

A free-form description to clarify the related data elements and their content.
 Optional based on partnership agreement.

N/L

| |
|-----------|
| SE |
|-----------|

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: **SE * SE01 * SE02 N/L**

COMMENTS SE is the last segment of each transaction set.

*

| | |
|---------------------------------|--------|
| SE01 | 96 |
| Number of Incl. Seg. | |
| M | NO 1/6 |

Total number of segments included in a transaction set including ST and SE segments.

*

| | |
|-----------------------------------|--------|
| SE02 | 329 |
| Trans. Set Control No. | |
| M | AN 4/9 |

Identifying control number assigned by the originator for a transaction set.

N/L

Notes

SUMMARY

The following pages contain six possible scenarios for coding an Inventory Inquiry/Advice.

These examples represent reports of inventory between distributor and manufacturer or agents and manufacturer.

- Agent Inventory Reporting from Agent to Manufacturer
- Distributor Inventory Reporting from Distributor to Manufacturer
- Manufacturer Owned Inventory Reporting from Manufacturer to Distributor
- Manufacturer Owned Inventory Reporting from Distributor to Manufacturer
- Bulk Inventory Reporting at Dealer Location from Manufacturer to Agent
- Inventory Protection Reporting from Distributor to Manufacturer

**UNDERSTANDING
THE EXAMPLES**

Each example is set up on facing pages. On the left hand page, inside the black bars, is a description of what the example represents and an explanation of the flow of data. Following the description is the actual example. Where possible, the entire example is displayed on the facing page to better show the levels of looping.

SEGMENTS OF CODE—The left column of the example shows the segments of code that make up the transaction set. Loops in the transaction set are indented.

DESCRIPTION OF SEGMENTS—The right column of the example is a plain English description of each data element contained in the corresponding segment to the left.

SUMMARY

Manufacturers sometimes require periodic updates of agent on-hand inventory. This report will allow manufacturers to track inventory levels and to supply agent locations with adequate product to meet customer demand. A "snapshot" of inventory status may be needed daily, weekly or monthly.

Inventory is reported by product within warehouse location which means that multiple products per location will be listed.

Inventory status may include:

1. Beginning Balance
2. Receipts
3. Shipped quantity
4. Inventory adjustments
5. Quantity on hand
6. Committed quantity
7. Unusable quantity

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a transaction set purpose code. A '00', Original, is used when the inventory quantities to follow are considered by the sender (agent) as 'reviewed and approved'. A '08', Status, is used when the inventory quantities are considered as 'status only' by the sender (agent). The use of one or the other of these codes will be based on the trading partner agreement.

Also, in the BIA segment, a report type code qualifier is required to define the nature of the report that follows it. This qualifier will be an 'AA', 'Agent Inventory Report'.

The sender of the inventory report and location of inventory are each identified in segments called the N1 segments located in the header section of the transaction set.

The first occurrence of a N1 segment will identify the sender of the report. The Entity Identifier Code within the N1 segment will be 'AG' representing Agent. This is followed by the appropriate Duns number for that entity.

The second occurrence of the N1 segment will contain the Entity Identifier Code of 'WH', representing Warehouse. This is also followed by the appropriate Duns number for that entity.

Actual names and addresses are optionally included based on trading partner agreement.

All products are listed in the detail area of the transaction set using the appropriate segments that describe the products at the location indicated in the header area of the 846 Transaction Set.

In summary, one 846 Transaction Set will contain the following:

Header Area:

1. Transaction Set purpose code of '00' for 'reviewed & approved' or '08' for 'statue only'.
2. Report type code of 'AA' to identify the Agent Inventory Report.
3. Date of report.
4. The sending agent's identification with an 'AG' qualifier.
5. The distributor's location of the product with a 'WH' qualifier.

Detail Area:

1. Agency product information for the agent location displayed in the header area.

Summary Area:

1. Total number of products listed.

Agency Inventory Reporting from Agent to Manufacturer

ISA*...

GS*IB*...

ST*846*...

BIA*00*AA*XXX*910601 N/L
...08...

00= Original (reviewed & approved) OR
08 = Status only
AA = Agent inventory report
XXX = Partner defined ref. number
910601 = 'As of' date

DTM*090*910501 N/L

090 = Report start date qualifier
910501 = Report start date

DTM*091*910531 N/L

091 = Report end date qualifier
910531 = Report end date

N1*AG*AGENT NAME*9*1234567890123 N/L

AG = Agent
AGENT NAME (optional)
9 = Duns plus 4 digit suffix
1234567890123 = Actual Duns number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address (optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX = City
XX= State
XXXXX = zip

N1*WH*WAREHOUSE NAME*9
*0987654321234 N/L

WH = Warehouse
WAREHOUSE NAME (optional)
9 = Duns plus 4 digit suffix
0987654321234 = Actual Duns number

Agent Inventory Reporting

846 - Inventory Inquiry/Advice

Example - from Agent to Manufacturer

| | |
|----------------------------|---|
| N3*XXXXXXXXX N/L | XXXXXXXXXX = Address(optional) |
| N4*XXXXXXXXXX*XX*XXXXX N/L | (Optional) XXXXXXXXXX = City XX = State XXXXX = zip |
| LIN**MG*51234 N/L | MG = Manufacturer's part number qualifier 51234 = Part number |
| QTY*38*XXXXX*GA N/L | 38 = Original quantity XXXXX = Quantity GA= Gallon |
| QTY*75*XXXXX*GA N/L | 75 = Receipts XXXXX = Quantity GA = Gallon |
| QTY*39*XXXXX*GA N/L | 39 = Shipped quantity XXXXX = Quantity GA= Gallon |
| QTY*AJ*XXXXX*GA N/L | AJ = Inventory adjustments XXXXX = Quantity GA= Gallon |
| QTY*17*XXXXX*GA N/L | 17 = Quantity on hand XXXXX = Quantity GA= Gallon |
| QTY*27*XXXXX*GA N/L | 27=Committed quantity XXXXX = Quantity GA= Gallon |
| QTY*20*XXXXX*GA N/L | 20 = Unusable quantity XXXXX = Quantity GA= Gallon |
| LIN*..... | Another product |
| QTY*.... | |

CTT*X N/L

X = Number of LIN lops

SE*...
GE*...
IEA*...

SUMMARY

Manufacturers may need to know the status of distributor owned inventory in a distributor warehouse. This report will allow manufacturers to anticipate distributor demand and have product available to meet that demand. A "snapshot" of inventory status may be needed daily, weekly or monthly.

Inventory is reported by product within warehouse location which means that multiple products per location will be listed.

Inventory status may include:

1. Beginning Balance
2. Receipts
3. Shipped quantity
4. Inventory adjustments
5. Quantity on hand
6. Committed quantity
7. Unusable quantity

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a transaction set purpose code. A '00', Original, is used when the inventory quantities to follow are considered by the sender (distributor) as 'reviewed and approved'. A '08', Status, is used when the inventory quantities are considered as 'status only' by the sender (distributor). The use of one or the other of these codes will be based on the trading partner agreement.

Also, in the BIA segment, a report type code qualifier is required to define the nature of the report that follows it. This qualifier will be a 'DD', 'Distributor Inventory Report'.

The sender of the inventory report and location of inventory are each identified in segments called the N1 segments located in the header section of the transaction set.

The first occurrence of a N1 segment will identify the sender of the report. The Entity Identifier Code within the N1 segment will be 'DS' representing Distributor. This is followed by the appropriate Duns number for that entity.

The second occurrence of the N1 segment will contain the Entity Identifier Code of 'WH', representing Warehouse. This is also followed by the appropriate Duns number for that entity.

Actual names and addresses are optionally included based on trading partner agreement.

All products are listed in the detail area of the transaction set using the appropriate segments that describe the products at the location indicated in the header area of the 846 Transaction Set.

In summary, one 846 Transaction Set will contain the following:

Header Area:

1. Transaction Set purpose code of '00' for 'reviewed & approved' or '08' for 'status only'.
2. Report type code of 'DD' to identify the Distributor Inventory Report.
3. Date of report.
4. The sending distributor's identification with a 'DS' qualifier.
5. The distributor's location of the product with a 'WH' qualifier.

Detail Area:

- 1. Product information at the location displayed in the header area.

Summary Area:

- 1. Total number of products listed.

Inventory Reporting from Distributor to Manufacturer

ISA*...

GS*IB*...

ST*846*...

BIA*00*DD*XXX*910601 N/L
...08...

00= Original (reviewed & approved) OR
08 = Status only
DD = Distributor inventory report
XXX = Partner defined ref. number
910601 = 'As of' date

DTM*090*910501 N/L

090= Report start date qualifier
910501 = Report start date

DTM*091*910531 N/L

091 = Report end date qualifier
910531 = Report end date

N1*DS*DISTRIBUTOR NAME*9
*1234567890123 N/L

DS = Distributor
DISTRIBUTOR NAME (optional)
9 = Duns plus 4 digit suffix
1234567890123 = Actual Duns number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address (optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX = City
XX= State
XXXXX = zip

N1*WH*WAREHOUSE NAME*9
*0987654321234 N/L

WH = Warehouse
WAREHOUSE NAME (optional)
9 = Duns plus 4 digit suffix
0987654321234 = Actual Duns number

Distributor Inventory Reporting
from Distributor to Manufacturer - Example **Inventory Inquiry/Advice - 846**

| | |
|----------------------------|---|
| N3*XXXXXXXXX N/L | XXXXXXXXXX = Address (optional) |
| N4*XXXXXXXXXX*XX*XXXXX N/L | (Optional) XXXXXXXXXX = City XX= State XXXXX = zip |
| LIN**MG*41234 N/L | MG = Manufacturers part number qualifier 41234= Part number |
| QTY*38*XXXXX*GA N/L | 38 = Original quantity XXXXX = Quantity GA = Gallon |
| QTY*75*XXXXX*GA N/L | 75 = Receipts XXXXX = Quantity GA = Gallon |
| QTY*39*XXXXX*GA N/L | 39 = Shipped quantity XXXXX = Quantity GA = Gallon |
| QTY*AJ*XXXXX*GA N/L | AJ = Inventory adjustments XXXXX = Quantity GA = Gallon |
| QTY*17*XXXXX*GA N/L | 17 = Quantity on hand XXXXX = Quantity GA = Gallon |
| QTY*27*XXXXX*GA N/L | 27 = Committed quantity XXXXX = Quantity GA = Gallon |
| QTY*20*XXXXX*GA N/L | 20 = Unusable quantity XXXXX = Quantity GA = Gallon |
| LIN*..... | Another product |
| QTY*.... | |
| . | |
| . | |

CTT*X N/L

X = Number of LIN loops

SE*...

GE*...

IEA*...

SUMMARY

Some manufacturers encourage distributors to store manufacturer owned product at the distributor's location. This product is being stored for future purchase by the distributor. The manufacturer will report manufacturer owned inventory as listed in their records (book inventory). A "snapshot" of inventory status may be needed daily, weekly or monthly.

Inventory status may include:

1. Beginning Balance
2. Receipts
3. Shipped quantity
4. Inventory adjustments
5. Quantity on hand

The 'Receipts' inventory status represents stock transfers into a warehouse. The 'Shipped quantity' inventory status represents product removed from manufacturer owned inventory through transfer of title and returns to the manufacturer.

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a report type code qualifier to define the nature of the report that follows it. This qualifier will be a 'DM', 'Distributor/Manufacturer Inventory Report'.

The sender of the inventory report and location of inventory are each identified in segments called N1 segments located in the header section of the transaction set.

The first occurrence of a N1 segment will identify the sender of the report. The Entity Identifier Code within the N1 segment will be 'MF' representing Manufacturer of Goods followed by the appropriate Duns number for that entity.

The second occurrence of the N1 segment will contain the Entity Identifier Code of 'WH', representing Warehouse and the warehouse's Duns number followed by the appropriate Duns number for that entity.

Actual names and addresses are optionally included based on trading partner agreement.

All products are listed in the detail area of the transaction set using the appropriate segments that describe the products at the location indicated in the header area of the 846 Transaction Set.

In summary, one 846 Transaction Set will contain the following for each manufacturer owned location:

Header Area:

1. Report type code of 'DM' to identify the Distributor/Manufacturer Inventory Report.
2. Date of report.
3. The sending manufacturer's identification with a 'MF' qualifier.
4. The distributor's location of the product with a 'WH' qualifier.

Detail Area:

1. Manufacturer Owned product information at the location displayed in the header area.

Summary Area:

1. Total number of products listed.
-

Manufacturer Owned Inventory Reporting from Manufacturer to Distributor

ISA*...

GS*IB*...

ST*846*...

BIA*00*DM*XXX*910601 N/L

00= Original
DM = Dist/Mfr inventory report
XXX = Partner defined ref. number
910601 = 'As of' date

DTM*090*910501 N/L

090= Report start date qualifier
910501 = Report start date

DTM*091*910531 N/L

091 = Report end date qualifier
910531 = Report end date

N1*MF*MANUFACTURER NAME*9
*0123456780000 N/L

M F = Manufacturer
MANUFACTURER NAME (optional)
9 = Duns plus 4 digit suffix
0123456780000 = Actual Duns
number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address(optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX = City
XX= State
XXXXX = Zip

N1*WH*WAREHOUSE NAME*9
*0987654321234 N/L

WH = Warehouse
WAREHOUSE NAME (optional)
9 = Duns plus 4 digit suffix
0987654321234 = Actual Duns
number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address (optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX = City
XX = State
XXXXX = Zip

Manufacturer Owned Inventory Reporting
Example - from Manufacturer to Distributor

846 - Inventory Inquiry/Advice

| | |
|---------------------|---|
| LIN**MG*31234 N/L | MG = Manufacturers part number qualifier 31234= Part number |
| QTY*38*XXXXX*GA N/L | 38 = Original quantity XXXXX = Quantity GA = Gallon |
| QTY*75*XXXXX*GA N/L | 75 = Receipts XXXXX = Quantity GA = Gallon |
| QTY*39*XXXXX*GA N/L | 39 = Shipped quantity XXXXX = Quantity GA= Gallon |
| QTY*AJ*XXXXX*GA N/L | AJ = Inventory adjustments XXXXX = Quantity GA = Gallon |
| QTY*17*XXXXX*GA N/L | 17 = Quantity on hand XXXXX = Quantity GA = Gallon |
| LIN*..... | Another product |
| QTY*..... | |
| . | |
| . | |
| CTT*X N/L | X = Number of LIN loops |
| SE*... | |
| GE*... | |
| IEA*... | |

SUMMARY

Some manufacturers encourage distributors to store manufacturer owned product at the distributor's location. This product is being stored for future purchase by the distributor not for dealer sales. The distributor reports on hand inventory of manufacturer owned product. A "snapshot" of inventory status may be needed daily, weekly or monthly.

Inventory status may include:

1. Beginning Balance
2. Receipts
3. Shipped quantity
4. Inventory adjustments
5. Quantity on hand
6. Unusable quantity

The 'Receipts' inventory status represents stock transfers into a warehouse. The 'Shipped quantity' inventory status represents product removed from manufacturer owned inventory through transfer of title and returns to the manufacturer.

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a report type code qualifier to define the nature of the report that follows it. This qualifier will be a 'DM', 'Distributor/Manufacturer Inventory Report'.

The sender of the inventory report and location of inventory are each identified in segments called the N1 segments located in the header section of the transaction set.

The first occurrence of a N1 segment will identify the sender of the report. The Entity Identifier Code within the N1 segment will be 'DS' representing Distributor. This is followed by the appropriate Duns number for that entity.

The second occurrence of the N1 segment will contain the Entity Identifier Code of 'WH', representing Warehouse and the warehouse's Duns number followed by the appropriate Duns number for that entity.

Actual names and addresses are optionally included based on trading partner agreement.

All products are listed in the detail area of the transaction set using the appropriate segments that describe the products at the location indicated in the header area of the 846 Transaction Set.

In summary, one 846 Transaction Set will contain the following for each manufacturer owned location:

Header Area:

1. Report type code of 'DM' to identify the Distributor/Manufacturer Inventory Report.
2. Date of report.
3. The sending distributor's identification with a 'DS' qualifier.
4. The distributor's location of the product with a 'WH' qualifier.

Detail Area:

1. Manufacturer Owned product information at the location displayed in the header area.

Summary Area:

1. Total number of products listed.
-

Manufacturer Owned Inventory Reporting from Distributor to Manufacturer

ISA*...

GS*IB*...

ST * 846*...

BIA*00*DM*XXX*910601 N/L

00= Original
DM = Dist/Mfr inventory report
XXX = Partner defined ref. number
910601 = 'As of' date

DTM*090*910501 N/L

090 = Report start date qualifier
910501 = Report start date

DTM*091*910531 N/L

091 = Report end date qualifier
910531 = Report end date

N1*DS*DISTRIBUTOR NAME*9
*1234567890123 N/L

DS = Distributor
DISTRIBUTOR NAME (optional)
9 = Duns plus 4 digit suffix
1234567890123 = Actual Duns
number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address (optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX= City
XX = State
XXXXX = Zip

N1*WH*WAREHOUSE NAME*9
*0987654321234 N/L

WH = Warehouse
WAREHOUSE NAME (optional)
9 = Duns plus 4 digit suffix
0987654321234 = Actual Duns
number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address (optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)
XXXXXXXXXX = City
XX= State
XXXXX = Zip

Manufacturer Owned Inventory Reporting
Example - from Distributor to Manufacturer

846 - Inventory Inquiry/Advice

LIN**MG*31234 N/L

MG = Manufacturers part number
qualifier
31234 = Part number

QTY*38*XXXXX*GA N/L

38 = Original quantity
XXXXX = Quantity
GA = Gallon

QTY*75*XXXXX*GA N/L

75 = Receipts
XXXXX = Quantity
GA= Gallon

QTY*39*XXXXX*GA N/L

39 = Shipped quantity
XXXXX = Quantity
GA = Gallon

QTY*AJ*XXXXX*GA N/L

AJ = Inventory adjustments
XXXXX = Quantity
GA= Gallon

QTY*17*XXXXX*GA N/L

17 = Quantity on hand
XXXXX = Quantity
GA= Gallon

QTY*20*XXXXX*GA N/L

20 = Unusable quantity
XXXXX = Quantity
GA= Gallon

LIN*.....

Another product

QTY*....

:
.

CTT*X N/L

X = Number of LIN loops

SE*...

GE*...

IEA*...

SUMMARY

Bulk product may be moved directly to a dealer location under an agency program. The manufacturer will report to the agent bulk inventory levels stored at dealer locations as listed in their records. Bulk Inventory Reporting at Dealer Location from Manufacturer to Agent is the only periodic inventory reporting, excluding Inventory Protection, that reports inventory at the dealer level.

Inventory status may include:

1. Beginning Balance
2. Receipts
3. Shipped quantity
4. Inventory adjustments
5. Quantity on hand

The 'Quantity on hand' inventory status represents the balance of the bulk inventory yet to be invoiced to the dealer by the agent. The 'Receipts' inventory status represents the replenishment of the bulk product in the dealer tank. The 'Shipped quantity' inventory status represents the sale of the bulk product to the dealer.

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a report type code qualifier to define the nature of the report that follows it. This qualifier will be a 'MA', 'Manufacturer/Agent Inventory Report'.

The sender of the inventory report and location of inventory are each identified in segments called N1 segments located in both the header and detail sections of the transaction set.

The first occurrence of the N1 segment is in the header area. This displays the sender identification. The Entity Identifier Code within the N1 segment will be a 'MF' representing

Manufacturer of Goods followed by the appropriate Duns number for that entity.

The second occurrence of the N1 segment will appear in the detail area. The Entity Identifier Code within this N1 segment will be a 'ST', representing Ship To followed by the appropriate Duns number of the dealer the product was shipped to. This N1 segment appears after each set of product segments displaying the bulk product description and quantity.

There is a one to one relationship between the product (appearing in the LIN segment) and dealer (appearing in the N1 segment within the LIN loop).

An example of the above relationship is as follows: Each set of LIN/N1 segments represents an LIN loop.

(LIN) Bulk Product 1

(N1) Dealer A

(LIN) Bulk Product 1

(N1) Dealer B

(LIN) Bulk Product 2

(N1) Dealer A

(LIN) Bulk Product 2

(N1) Dealer B

This example represents bulk products from one manufacturer. Therefore, all loops occur within one transaction set.

Actual names and addresses are optionally included based on trading partner agreement.

In summary, one 846 Transaction Set will contain the following for each manufacturer sending data:

Bulk Inventory Reporting at Dealer

Location from Manufacturer to Agent - Example

Inventory Inquiry/Advice - 846

Header Area:

1. Report type code of 'MA' Manufacturer/Agent Inventory Report.
2. Date of report.
3. The sending manufacturer's identification with a 'MF' qualifier.

Detail Area:

1. Bulk product information.
2. Dealer location with a 'ST' qualifier where the product was shipped to and is to be released and/or purchased.

Summary Area:

1. Total number of products listed.

Bulk Inventory Reporting at Dealer Location from Manufacturer to Agent

ISA*...

GS*IB*...

ST*846*...

BIA*00*MA*XXX*910601 N/L

00= Original

MA = Mfr/Agent inventory report

XXX = Partner defined ref. number

910601 = 'As of' date

DTM*090*910501 N/L

090 = Report start date qualifier

910501 = Report start date

DTM*091*910531 N/L

091 = Report end date qualifier

910531 = Report end date

N1*MF*MANUFACTURER NAME*9

MF = Manufacturer

*0123456780000 N/L

MANUFACTURER NAME (optional)

9 = Duns plus 4 digit suffix

0123456780000 = Actual Duns number

Bulk Inventory Reporting at Dealer

846 - Inventory Inquiry/Advice

Example - **Location from Manufacturer to Agent**

| | |
|---|---|
| N3*XXXXXXXXXX N/L | XXXXXXXXXX = Address (optional) |
| N4*XXXXXXXXXX*XX*XXXXX N/L | (Optional) XXXXXXXXXX = City XX= State XXXXX = Zip |
| LIN**MG*11234 N/L | MG = Manufacturer's part number qualifier 11234 = Part number |
| QTY*38*XXXXX*GA N/L | 38 = Original XXXXX = Quantity GA = Gallon |
| QTY*75*XXXXX*GA N/L | 75 = Receipts XXXXX = Quantity GA = Gallon |
| QTY*39*XXXXX*GA N/L | 39 = Shipped quantity XXXXX = Quantity GA = Gallon |
| QTY*AJ*XXXXX*GA N/L | AJ = Inventory adjustments XXXXX = Quantity GA= Gallon |
| QTY*17*XXXXX*GA N/L | 17 = Quantity on hand XXXXX = Quantity GA = Gallon |
| N1*ST*DEALER NAME*9 *212345678000G N/L | ST = Ship-to dealer DEALER NAME (optional) 9 = Duns plus 4 digit suffix 212345678000 = Actual Duns number |
| N3*XXXXXXXXXX N/L | XXXXXXXXXX = Address (optional) |
| N4*XXXXXXXXXX*XX*XXXXX N/L | XXXXXXXXXX = City XX = State XXXXX = Zip |

Bulk Inventory Reporting at Dealer

Location from Manufacturer to Agent - Example

Inventory Inquiry/Advice - 846

LIN*

Another product

QTY*

.

.

N1...

CTT*X N/L

X = Number of LIN loops

SE*...

GE*...

IEA*...

SUMMARY

Manufacturers sometimes offer an inventory protection program that helps distributors and dealers keep overstocked products on site until the next season. This program usually requires that the distributor report to the manufacturer the quantities that are to be covered under the program. The reports typically require a breakdown by owner, location, and product.

Inventory status includes:

1. Quantity on hand.

The 'Quantity on hand' inventory status represents the quantities left in stock that are being claimed for an inventory protection program.

DATA FLOW

In the 846 Transaction Set, the BIA segment (the first header segment) contains a report type code qualifier to define the nature of the report that follows it. This qualifier will be an 'IP', 'Inventory Protection Report'.

There are three entities involved in the inventory report and each are identified in segments called N1 segments in the header section of the transaction set.

The first occurrence of a N1 segment will identify the sender of the report. The Entity Identifier Code within the N1 segment will be 'DS' representing Distributor followed by the appropriate Duns number for that entity.

The second occurrence of a N1 segment will identify the entity to whom the check/credit and rebill are sent to. The Entity Identifier Code within the N1 segment will be 'BT' representing Bill-to followed by the appropriate Duns number for that entity.

The third occurrence of a N1 segment will identify the location of the product and the relationship of the location to the distributor.

Only one of the following will be used in the third N1 segment per transaction set.

| <u>Relationship</u> | <u>Entity Identifier Code and Meaning</u> |
|--|---|
| 1. Distributor owned non-retail outlet | 'WH'= Warehouse |
| 2. Distributor owned retail outlet | 'DB' = Distributor Branch |
| 3. Non-distributor owned retail outlet | 'ST' = Ship To |

Actual names and addresses are optionally included based on trading partner agreement.

All products are listed in the detail area of the transaction set using the appropriate segments that describe the products at the physical location in the header area of the 846 Transaction Set.

In summary, one 846 Transaction Set will include the following for each physical location:

Header Area:

1. Report type code of SIPS to identify the Inventory Protection Report.
2. Sender of the report with a 'DS'-Distributor qualifier.
3. To whom the check/credit and rebill are sent with a 'BT'-Bill To qualifier.
4. The physical location of the product with appropriate qualifier:

'WH' - Warehouse (distributor owned non-retail)
'DB' - Distributor branch (distributor owned retail)
'ST' - Ship To (non-distributor owned retail)

Detail Area:

1. Product(s) being claimed for the inventory protection program at the physical location displayed in the header area.

Summary Area:

1. Total number of products listed.

Inventory Protection Reporting from Distributor to Manufacturer

ISA*...

GS*IB*...

ST*846*...

BIA*00*IP*XXX*910701 N/L

00= Original

IP = Inventory protection report

XXX = Partner defined ref. number

910701 = 'As of' date

N1*DS*DISTRIBUTOR NAME*9
 *0213456780000 N/L

DS = Distributor

DISTRIBUTOR NAME (optional)

9 = Duns plus 4 digit suffix

0213456780000 = Actual Duns number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address(optional)

N4*XXXXXXXXXX*XX*XXXXX N/L

(Optional)

XXXXXXXXXX = City

XX= State

XXXXX = Zip

N1*BT*BILL TO COMPANY NAME*9
 *1234567890000 N/L

BT = Bill to (who the check

and rebill should be sent to)

BILL TO COMPANY NAME (optional)

9 = Duns plus 4 digit suffix

1234567890000 = Actual Duns number

N3*XXXXXXXXXX N/L

XXXXXXXXXX = Address(optional)

| | |
|--|--|
| N4*XXXXXXXXXX*XX*XXXXX N/L | (Optional) XXXXXXXXXX = City XX = State XXXXX = Zip |
| N1*ST*PHYSICAL LOCATION NAME*9 *0234567890000 N/L | (Use one N1 segment for the physical location of the product with ST or WH or DB) ST = Ship to (product at dealer location, location not owned by distributor) WH = Warehouse (product at distributor's warehouse) DB = Distributor branch (product at dealer location and location is owned by distributor) PHYSICAL LOCATION NAME = (optional) 9 = Duns plus 4 digit suffix 0234567890000 = Actual Duns number |
| N3*XXXXXXXXXX N/L | XXXXXXXXXX = Address (optional) |
| N4*XXXXXXXXXX*XX*XXXXX N/L | (Optional) XXXXXXXXXX = City XX= State XXXXX = Zip |
| LIN**MG*01234 N/L | MG = Manufacturers part number qualifier 01234 = Part number |
| QTY*17*XXXXX*GA N/L | 17 = Quantity on hand XXXXX = Quantity GA = Gallon |
| LIN*..... | Another product |
| QTY*..... | |
| CTT*X N/L | X = Number of LIN loops |
| SE*... GE*.., IEA*... | |

For Transaction Set 846, RAPID will accept "Any Valid Code" as specified by the ASC X12 version 00003020, for the following data elements. They are included here in exactly the same manner they are shown in the ASC X12 version 00003020 for your convenience.

| | | | |
|-----------------|---|-----------------|---|
| ELEMENT: | 309 | SP | State/Province |
| NAME: | Location Qualifier | TC | Transcontinental Freight Bureau /(TCFB) |
| USED IN: | 846-N405 | TL | Terminal Cargo Location |
| | | TN | Township |
| AC | City And State | TR | Rail Territory |
| CC | Country | TX | Taxing District |
| CI | City | VS | Vessel Stowage Location |
| CL | National Rate Basis (NRB) | W | Worldwide Geographic Location Code |
| CO | County/Parish and State | WH | Warehouse |
| CS | Canadian SPLC | ZZ | Mutually Defined |
| CY | County/Parish | | |
| D | Census Schedule D | | |
| DC | Distribution Center No. | ELEMENT: | 355 |
| DE | Destination (Shipping) | NAME: | Unit of Measurement Code |
| FA | Factory | USED IN: | 846-QTY03, 846-CTT04, 846-CTT06 |
| FE | Freight Equalization Point | | |
| FI | Fips 55 | | |
| IM | Milstamp | 01 | Actual Pounds |
| IP | Postal | 02 | Statute Mile |
| | | 03 | Seconds |
| K | Census Schedule K | 04 | Small Spray |
| MI | Mill | 05 | Lifts |
| NS | City/state from Points Basing to that City/state in NRB6000 and Points within those Cities Switching District | 08 | Heat Lots |
| OA | Origin (After Loading On Equipment) | 10 | Group |
| OL | Open and Prepay Station List Code(SCAC and Number) | 11 | Outfit |
| OP | Overseas Point Location Code | 12 | Packet |
| OR | Origin (Shipping Point) | 13 | Ration |
| PL | Plant | 14 | Shot |
| PO | Postal | 15 | Stick |
| PP | Pool Point | 24 | Theoretical Pounds |
| RS | Standard Carrier Alpha Code (SCAC) and Freight Station Accounting Code (FSAC) - Four Position SCAC followed by Five Position FSAC | 26 | Actual Tons |
| RT | Route Administrative Message To | 27 | Theoretical Tons |
| | | 31 | Catch weight |
| SC | City/State and Points within its Railroad Switching District | 50 | Actual Kilograms |
| SL | SPLC (U.S.) | 51 | Actual Tonnes |
| SN | Store No. | 53 | Theoretical Kilograms |
| | | 54 | Theoretical Tonnes |
| | | 56 | Sitas |
| | | 58 | Net Kilograms |
| | | 59 | Parts Per Million |
| | | 60 | Percent Weight |
| | | 61 | Parts Per Billion |

| | | | |
|----|-----------------------------------|----|--|
| 62 | Percent Per 1000 Hours | BJ | Band |
| 63 | Failure Rate in Time | BK | Book |
| 64 | Pounds Per Square Inch Gauge | BL | Block |
| 65 | Coulomb (A Unit of Charge) | BM | Bolt |
| 66 | Oersteds | BN | Bulk |
| 67 | Siemens (A Unit of Admittance) | BO | Bottle |
| 68 | Ampere | BP | 100 Board Feet |
| 69 | Test Specific Scale | BQ | Brake Horse Power |
| 70 | Volt | BR | Barrel |
| 71 | Volt-ampere Per Pound | BS | Basket |
| 72 | Watts Per Pound | BT | Belt |
| 73 | Ampere Tum Per Centimeter | BU | Bushel |
| 74 | Milli Pascals | BV | Bushel, Dry Imperial |
| 75 | Cycles | BW | Base Weight |
| 76 | Gauss | BX | Box |
| 77 | Mil | BY | British Thermal Unit(BTU) |
| 78 | Kilogauss | BZ | Million BTU's |
| 79 | Electron Volt | C1 | Composite Product Pounds (Total Weight) |
| 80 | Pounds Per Square Inch Absolute | C2 | Carset |
| 81 | Henry(A Unit of Inductance) | C3 | Centiliter |
| 82 | Ohm(A Unit of Resistance) | C4 | Carload |
| 83 | Farad (A Unit of Capacitance) | C5 | Cost |
| 84 | Kilo Pounds Per Square Inch (KSI) | C6 | Cell |
| 85 | Foot Pounds | C7 | Centipoise (CPS) |
| 86 | Joules | C8 | Cubic Decimeter |
| AA | Ball | C9 | Coil Group |
| AB | Bulk Pack | CA | Case |
| AC | Acre | CB | Carboy |
| AE | Amperes Per Meter | CC | Cubic Centimeter |
| AM | Ampoule | CD | Carat |
| AP | Aluminum Pounds Only | CE | Centigrade, Celsius |
| AS | Assortment | CF | Cubic Feet |
| AY | Assembly | CG | Card |
| B1 | Barrels Per Day | CH | Container |
| B2 | Bunks | CI | Cubic Inches |
| B3 | Batting Pound | CJ | Cone |
| B4 | Barrel, Imperial | CK | Connector |
| B5 | Billet | CL | Cylinder |
| B6 | Bun | CM | Centimeter |
| B7 | Cycles | CN | Can |
| B8 | Board | CO | Cubic Meters (Net) |
| B9 | Batt | CP | Crate |
| BA | Bale | CQ | Cartridge |
| BB | Base Box | CR | Cubic Meter |
| BC | Bucket | CS | Cassette |
| BD | Bundle | CT | Carton |
| BE | Beam | CU | Cup |
| BF | Board Feet | CV | Cover |
| BG | Bag | CW | Hundred Pounds (CWT) |
| BH | Brush | CX | Coil |
| BI | Bar | | |

| | | | |
|----|---------------------------|----|---|
| CY | Cubic Yard | GM | Grams Per Sq. Meter |
| CZ | Combo | GN | Gross Gallons |
| DA | Days | GR | Gram |
| DB | Dry Pounds | GS | Gross |
| DC | Disk (Disc) | GY | Gross Yard |
| DD | Degree | GZ | Gage Systems |
| DE | Deal | HA | Hank(100 Feet of Rope) |
| DF | Dram | HB | Hundred Boxes |
| DG | Decigram | HC | Hundred Count |
| DH | Miles | HD | Half Dozen |
| DI | Dispenser | HE | Hundredth of a Caret |
| DJ | Decagram | HF | Hundred Feet |
| DK | Kilometers | HG | Hectogram |
| DL | Deciliter | HH | Hundred Cubic Feet |
| DM | Decimeter | HI | Hundred Sheets |
| DO | Dollars, U.S. | HJ | Horsepower |
| DP | Dozen Pair | HK | Hundred Kilograms |
| DR | Drum | HL | Hundred Feet- Linear |
| DS | Display | HM | Miles Per Hour |
| DT | Dry Ton | HO | Hundred Troy Ounces |
| DZ | Dozen | HR | Hours |
| E3 | Inches, Fraction-Average | HS | Hundred Square Feet |
| E4 | Inches, Fraction-Minimum | HT | Half Hour |
| E5 | Inches, Fraction-Actual | HU | Hundred |
| E7 | Inches, Decimal-Average | HV | Hundred Weight (Short) |
| E8 | Inches, Decimal-Actual | HW | Hundred Weight(Long) |
| E9 | English, (Feet, Inches) | HY | Hundred Yards |
| EA | Each | HZ | Hertz |
| ED | Inches, Decimal-Nominal | IC | Counts Per Inch |
| EF | Inches, Fraction-Nominal | IM | Impressions |
| EM | Inches, Decimal-Minimum | IN | Inch |
| EP | Eleven Pack | IT | Counts Per Centimeter |
| EV | Envelope | JB | Jumbo |
| EX | Feet, Inches and Fraction | JO | Joint |
| EY | Feet, Inches and Decimal | JR | Jar |
| EZ | Feet and Decimal | JU | Jug |
| FA | Fahrenheit | KA | Cake |
| FB | Fields | KD | Kilograms Decimal |
| FC | 1000 Cubic Feet | KE | Keg |
| FL | Flake Ton | KG | Kilogram |
| FM | Million Cubic Feet | KH | Kilowatt Hour |
| FO | Fluid Ounce | KI | Kilograms/Millimeter width |
| FP | Pounds Per Sq. Ft. | KK | 100 Kilograms |
| FT | Foot | KL | Kilograms/Meter |
| GA | Gallon | KM | Kilograms Per Square Meter, Kilograms, Decimal |
| GB | Gallons/Day | KN | Kilometer |
| GD | Gross Barrels | KP | Kilometers Per Hour |
| GG | Great Gross (Dozen Gross) | KT | Kit |
| GH | Half Gallon | KV | Kelvin |
| GI | Imperial Gallons | KW | Kilograms Per Millimeter |
| GL | Grams Per Liter | | |

| | | | |
|----|--------------------------------|----|--|
| LA | Pounds Per Cubic Inch | NC | Car |
| LB | Pound | ND | Net Barrels |
| LC | Linear Centimeter | NE | Net Liters |
| LE | Lite | NG | Net Gallons |
| LF | Linear Foot | NI | Net Imperial Gallons |
| LG | Long Ton | NL | Load |
| LH | Labor Hours | NM | Nautical Mile |
| LI | Linear Inch | NN | Train |
| W | Large Spray | NS | Short Ton (2000 Lbs.) |
| LK | Link | NT | Trailer |
| LM | Linear Meter | NV | Vehicle |
| LN | Length | OA | Panel |
| LO | Lot | ON | Ounces Per Square Yard |
| LP | Liquid Pounds | OP | Two Pack |
| LR | Layer(s) | OT | Overtime Hours |
| LS | Lump Sum | OZ | Ounce - Av |
| LT | Liter | P1 | Percent |
| LY | Linear Yard | P2 | Pounds Per Foot |
| M1 | Milligrams Per Liter | P3 | Three Pack |
| M2 | Millimeter-Actual | P4 | Four-pack |
| M3 | Mat | P5 | Five-pack |
| M4 | Monetary Value | P6 | Six Pack |
| M5 | Microcurie | P7 | Seven Pack |
| M7 | Micro Inch | P8 | Eight-pack |
| M8 | Mega Pascals | P9 | Nine Pack |
| MA | Machine/Unit | PA | Pail |
| MB | Millimeter-Nominal | PB | Pair Inches |
| MC | Microgram | PC | Piece |
| ME | Milligram | PD | Pad |
| MF | Milligram Per Sq. Ft. Per Side | PE | Pounds Equivalent |
| MG | Metric Gross Ton | PF | Pallet (Lift) |
| MH | Microns | PG | Pounds Gross |
| MI | Metric | PH | Pack (Pak) |
| MJ | Minutes | PI | Pitch |
| MK | Milligrams Per Square Inch | PJ | Pounds, Decimal - Pounds Per Square Foot - Pound Gage |
| ML | Milliliter | PK | Package |
| MM | Millimeter | PL | Pallet/Unit Load |
| MN | Metric Net Ton | PM | Pounds-Percentage |
| MO | Months | PN | Pounds Net |
| MP | Metric Ton | PO | Pounds Per Inch of Length |
| MQ | 1000 Meters | PP | Plate |
| MR | Meter | PQ | Pages Per Inch |
| MS | Square Millimeter | PR | Pair |
| MT | Metric Long Ton | PS | Pounds Per Sq. Inch |
| MU | Millicurie | PT | Pint |
| MV | Number of Mults | PU | Mass Pounds |
| MW | Metric Ton Kilograms | PV | Half Pint |
| MX | Mixed | PW | Pounds Per Inch of Width |
| MY | Millimeter-Average | PX | Pint, Imperial |
| MZ | Millimeter-Minimum | PY | Peck, Dry U.S. |
| NB | Barge | | |

| | | | |
|----|------------------------|----|--------------------------|
| PZ | Peck, Dry/Imperial | T7 | Thousand Impressions |
| Q1 | Quarter (Time) | T8 | Thousand Linear Inches |
| QD | Quarter Dozen | TA | Tenth Cubic Foot |
| QR | Quire | TB | Tube |
| QS | Quart, Dry U.S. | TC | Truckload |
| QT | Quart | TD | Therms |
| QU | Quart, Imperial | TE | Tote |
| RA | Rack | TF | Ten Square Yards |
| RD | Rod | TG | Gross Ton |
| RE | Reel | TH | Thousand |
| RG | Ring | TI | Thousand Square Inches |
| RK | Roll-Metric Measure | TJ | Thousand Sq. Centimeters |
| RL | Roll | TK | Tank |
| RM | Ream | TL | Thousand Feet (Linear) |
| RN | Ream-Metric Measure | TM | Thousand Feet (Board) |
| RO | Round | TN | Net Ton (2,000 Lb) |
| RP | Pounds Per Ream | TO | Troy Ounce |
| RU | Run | TP | Ten-pack |
| S2 | Seconds (Time) | TQ | Thousand Feet |
| SA | Sandwich | TR | Ten Square Feet |
| SB | Square Mile | TS | Thousand Square Feet |
| SC | Square Centimeter | TT | Thousand Linear Meters |
| SD | Solid Pounds | TU | Thousand Linear Yards |
| SE | Section | TV | Thousand Kilograms |
| SF | Square Foot | TW | Thousand Sheets |
| SG | Segment | TX | Troy Pound |
| SH | Sheet | TY | Tray |
| SI | Square Inch | TZ | Thousand Cubic Feet |
| SJ | Sack | UN | Unit |
| SK | Split Tanktruck | VA | Voltampere Per Kilogram |
| SL | Sleeve | VI | Vial |
| SM | Square Meter | VT | Voltage |
| SN | Square Rod | WA | Watts Per Kilogram |
| SO | Spool | WB | Wet Pound |
| SP | Shelf Package | WE | Wet Ton |
| SQ | Square | WG | Wine Gallon |
| SR | Strip | WH | Wheel |
| SS | Sheet-Metric Measure | WI | Weight Per Square Inch |
| ST | Set | WK | Week |
| SU | Short Ton | WP | Pennyweight |
| SV | Skid | WR | Wrap |
| SW | Skein | WT | Wattage |
| SX | Shipment | YD | Yard |
| SY | Square Yard | YL | 100 Lineal Yards |
| T1 | Thousand Pounds Gross | YR | Years |
| T2 | Thousandths of an Inch | YT | Ten Yards |
| T3 | Thousand Pieces | ZZ | Mutually Defined |
| T4 | Thousand Bags | | |
| T5 | Thousand Casings | | |
| T6 | Thousand Gallons | | |

Notes

COMMITTEE STRUCTURE

ADHOC GROUPS: Purpose is to review change requests for published documents, and to make recommendations to the full Standards Committee. Each group will be established by the Standards Committee and will appoint a Leader who will serve on the Standards Maintenance Committee. Each Adhoc Group will convene via conference call and at regular RAPID meetings only as necessary to review change requests. (For example: 867 Adhoc Group, 846 Adhoc Group, and 810 Adhoc Group). The Adhoc Group members will decide prior to each RAPID meeting if and when to meet (breakfast or lunch meeting, etc.) so that the Adhoc Group participants may attend regular Standards Meetings.

STANDARDS MAINTENANCE COMMITTEE: Purpose is to handle publication of the Guidelines, handle standards changes which do not require the review of an Adhoc Group, and handle routing of change requests to Adhoc Groups. Members of the Committee are the Standards Maintenance Committee Chairman, each of the Leaders of the Adhoc Groups, and additional volunteers. The Standards Maintenance Committee does not have approval authority but may make recommendations to the Standards Committee and will act as a clearing house for requests submitted to the Adhoc Groups.

STANDARDS COMMITTEE: Purpose (only with regard to the Standards Maintenance Committee) is to receive recommendations from the Standards Maintenance Committee and to approve recommendations as appropriate under the direction of the Standards Committee Chairman.

CHANGE REQUEST PROCEDURE

Requests must be submitted to the Standards Maintenance Chairman **at least 8 weeks** prior to a RAPID Meeting to be assured of discussion at the next RAPID Meeting.

- Send Completed RAPID Guidelines Change Request Form to the Standards Maintenance Chairman. Alternatively, submit the appropriate ASC X12 forms if changes to the ASC X12 Standards or Data Element Dictionary are requested.
- The Standards Maintenance Chairman will route the request to all Standards Maintenance Committee members. The Chairman will ask for a recommendation from either the members or from the appropriate Adhoc Group.
- If a recommendation from the Adhoc Group is requested, the Adhoc Leader will route the request to all Adhoc members, schedule review by the members, and send a written summary of the recommendation of the Adhoc Group to the Standards Maintenance Chairman.
- The Standards Maintenance Chairman will ensure that change requests and recommendations from the Adhoc Groups are sent to the voting membership prior to a scheduled RAPID Meeting and are presented for approval at the Standards Committee Meeting.
- Approved changes to the RAPID Guidelines will be included with the next publication of the transaction(s) impacted. Requests for changes to the ASC X12 Standards or Data Element Dictionary, if approved by the RAPID members, will be forwarded to ASC X12 for action. A member of the Standards Maintenance Committee will attend the ASC X12 meeting at which a change request is reviewed to ensure RAPID's interests are represented.

CHANGE REQUEST FORMS

In preparing your request, please be as specific as possible as to what change is being requested and the business reason for requesting the change.

RAPID GUIDELINES CHANGE REQUEST FORM—Complete this form whenever a change to an existing RAPID Convention is requested.

ASC X12 WORK REQUEST FORM—Use this form when requesting a change to the ASC X12 Standards upon which the RAPID Guidelines are based.

NEW OR REVISED CODE REFERENCE FORM—Complete this form whenever a new data element or data element code is requested to be added to the ASC X12 Data Element Dictionary.

Notes

RAPID Guidelines - Change Request Form

Use this form if changes to ASC X12 Standards **are not** required.
Send completed copy to the Standards Maintenance Chairman.

A. SUBMITTER

Name _____

Company _____

Address _____

City/State/Zip _____

B. REFERENCES

Version _____ /Release _____

Transaction Set _____

Segment(s) Affected _____

Data Element(s) Affected _____

Example(s) Affected _____

C. BUSINESS CASE: Explain the need for the proposed change.

D. REQUEST FOR CHANGE: List the specific change(s) being requested. Give the names and associated identifiers of the standards, segments, data elements, and codes affected by the change(s). Name the page(s) from the Guidelines affected by each change.

E. EXAMPLE: Attach an example if the requested changes affect the examples documented in the Guidelines.

ASC X12 Work Request Form

Date Submitted: _____

DM Number: _____

(Secretariat Only)

ALL REQUESTS MUST BE TYPED or printed legibly in black ink. Complete both sides. Submit to: Technical Department, X12, Secretariat, Data Interchange Standards Association, Inc., 1800 Diagonal Road, Suite 355, Alexandria, VA 22314-2852 or FAX (703) 548-5738. Incomplete forms or those with inadequate support for the change requested will be returned to the submitter. Submitters are notified of the status of the work request after it has been reviewed by X12J Technical Assessment.

1. **TO USE THIS FORM TO REQUEST A CHANGE TO AN EXISTING STANDARD**, use a separate Work Request (WR) Form to list all changes for one transaction set, one segment, one control structure, or one data element. Complete all sections. Numbered attachments may be used for continuation.
2. **TO USE THIS FORM FOR SUPPORTING DATA MAINTENANCE FOR A NEW DRAFT STANDARD**, list all information on ONE form,; use attachments as necessary. List first all new segments, then all new data elements/codes/code sources. Then list revisions to existing segments and data elements/codes/code sources; provide a business case for revisions to existing standards. Then list any other changes needed (eg., X12.5, X12.6), including justification.
3. **TO USE THIS FROM TO REQUEST A PROPOSED NEW X12 STANDARDS PROJECT**, complete Part 1. In Part 2 provide a purpose/scope and describe any new features involved. Provide the business need and justification for the new project in Part 3B. The Work Request will be forwarded to an X12 subcommittee for analysis.

PART 1: SUBMITTER INFORMATION

A. Submitter Must Circle One:

- (1) Existing Standard Maintenance Request
- (2) New Standard Supporting Data Maintenance
- (3) Request for New X12 Standard

B. Representation: This information will be recorded in the X12 standards database.

Submission represents position of
X12 Subcommittee Task Group: _____

Submission represents position of
other group: _____

C. Submitter:

Name _____
Company _____
Address _____
City/State _____ ZIP + 4 _____
Phone _____

Form for New or Revised Code Resource Reference For X12.3 Data Element Dictionary

INSTRUCTIONS: Complete this form whenever a new data element or data element code is requested to be added to Appendix B or X12.3 *Data Element Dictionary*, which references a code list published by an organization external to X12. Use one form for each new reference. This form may be used to revise current references; fill out the appropriate areas below.

PART 1: REFERENCE—Circle 1 or 2 below. If 2, fill in the blank.

(1) NEW REFERENCE

(2) REVISED REFERENCE, Current reference number/name

PART 2: REFERENCE TITLE—If there is only one source for codes for the data element, the title should be the same as the data element name. If there are multiple codes referencing external code sources for the same data element, title should approximate the code definition.

Reference Title: _____

PART 3: DATA ELEMENTS USED IN—Give the data element reference number and name which directs the user to this code source. Give the code ID (if assigned) if this is for a specific code of that data element.

USED IN: DE No. _____, Code ID _____

PART 4: SOURCE—Provide the name of the publication which contains the codes referenced.

PUBLISHED IN: _____

PART 5: AVAILABLE FROM—Give the publisher, or other contact, from whom the user can obtain the document.

Name/Attn. Of _____
 Company _____
 Address _____
 City/State _____ ZIP + 4 _____
 Phone _____

PART 6: ABSTRACT—Briefly describe the publication, its purpose, and indicate which codes it contains.

