



846 Inventory Inquiry/Advice

X12/V3040/846

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846 Inventory Inquiry/Advice

Functional Group=IB

Purpose: 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.

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	ST	Transaction Set Header	M	1			Must use
020	BIA	Beginning Segment for Inventory Inquiry/Advice	M	1			Must use
050	DTM	Date/Time Reference	O	10		N1/050	Used
LOOP ID - N1					5		
080	N1	Name	O	1			Used

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - LIN					10000		
010	LIN	Item Identification	M	1			Must use
100	DTM	Date/Time Reference	O	10			Used
140	REF	Reference Numbers	O	>1			Used
LOOP ID - QTY					99		
320	QTY	Quantity	O	1			Used

Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

Notes:

- 1/050 Provides the date/time on which the inventory levels were current. This may not be the same date as BIA04.
- 3/010 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.

Simplot Note:

Example 846:

```
ST\846\12388#
BIA\00\LC\Inventory Number\221027\060024#
DTM\007\221027\060024\20#
N1\WH\91\Warehouse Number#
LIN\VP\11377\LT\1567316#
DTM\511\250801#
QTY\17\142#
LIN\VP\12652\LT\15MAR22BAT#
```

DTM511\250301#
QTY\17\2425#
LIN\I\VP\12653\LT\09MAY22BAT#
DTM511\250501#
QTY\17\1146#
LIN\I\VP\12653\LT\17MAY21BAT#
DTM511\240501#
QTY\17\1176#
LIN\I\VP\12755\LT\1565442#
DTM511\250601#
QTY\17\836#
LIN\I\VP\12755\LT\1577456#
DTM511\251001#
QTY\17\294#
LIN\I\VP\12814\LT\22AUG2022#
DTM511\230523#
REF\08\322#
QTY\17\111#
LIN\I\VP\12824\LT\1564623#
DTM511\250701#
QTY\17\420#
LIN\I\VP\13078\LT\1560267#
DTM511\250701#
QTY\17\27#
LIN\I\VP\34448\LT\1558842#
DTM511\270401#
QTY\17\17#
LIN\I\VP\34448\LT\1567664#
DTM511\270801#
QTY\17\1133#
.....
CTT\83#
SE\25\12388#

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3	Must use

Description: Code uniquely identifying a Transaction Set.

Code List Summary (Total Codes: 236, Included: 1)

Code Name

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ST02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Simplot Note: *Unique number assigned by the originator.*

Semantics:

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

BIA Beginning Segment for Inventory Inquiry/Advice

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 5

User Option (Usage): Must use

Purpose: To indicate the beginning of an inventory inquiry/advice transaction set.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BIA01	353	Transaction Set Purpose Code	M	ID	2/2	Must use

Description: Code identifying purpose of transaction set.

Code List Summary (Total Codes: 49, Included: 1)

<u>Code</u>	<u>Name</u>
00	Original

BIA02	755	Report Type Code	M	ID	2/2	Must use
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Description: Code indicating the title or contents of a document, report or supporting item

Code List Summary (Total Codes: 258, Included: 1)

<u>Code</u>	<u>Name</u>
LC	Location Inventory Report

BIA03	127	Reference Number	M	AN	1/30	Must use
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Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Simplot Note:

This is the sender's internal number used to identify the transaction in their application system.

BIA04	373	Date	M	DT	6/6	Must use
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Description: Date (YYMMDD).

Simplot Note:

The date the transaction was generated on the sender's application system. It is analogous to the date placed on the paper document; the date it was written.

BIA05	337	Time	O	TM	4/8	Used
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Description: 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)

Simplot Note:

The time the transaction was generated on the sender's application system.

Semantics:

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.

DTM Date/Time Reference

Pos: 050	Max: 10
Heading - Optional	
Loop: N/A	Elements: 4

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

Code List Summary (Total Codes: 601, Included: 1)

<u>Code</u>	<u>Name</u>
007	Effective

DTM02	373	Date	X	DT	6/6	Used
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Description: Date (YYMMDD).

Simplot Note: Stock reconciliation date.

DTM03	337	Time	X	TM	4/8	Used
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Description: 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)

Simplot Note: Stock reconciliation time (HHMMSS).

DTM05	624	Century	O	N0	2/2	Used
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Description: The first two characters in the designation of the year (CCYY).

Simplot Note: Century value of stock reconciliation date.

Syntax Rules:

1. R020306 - At least one of DTM02, DTM03 or DTM06 is required.
2. P0607 - If either DTM06 or DTM07 is present, then the other is required.

Loop Name

Pos: 080	Repeat: 5
Optional	
Loop: N1	Elements: N/A

User Option (Usage): Used

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

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
080	N1	Name	O	1		Used

N1 Name

Pos: 080	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	Entity Identifier Code	M	ID	2/2	Must use

Description: Code identifying an organizational entity, a physical location, or an individual

Code List Summary (Total Codes: 687, Included: 1)

Code Name

WH Warehouse

N103	66	Identification Code Qualifier	X	ID	1/2	Used
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Description: Code designating the system/method of code structure used for Identification Code (67).

Code List Summary (Total Codes: 138, Included: 1)

Code Name

91 Assigned by Seller or Seller's Agent

N104	67	Identification Code	X	AN	2/17	Used
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Description: Code identifying a party or other code.

Simplot Note: *Warehouse number assigned by Simplot (2 alpha)*

Syntax Rules:

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

Comments:

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

Loop Item Identification

Pos: 010	Repeat: 10000
Mandatory	
Loop: LIN	Elements: N/A

User Option (Usage): Must use

Purpose: To specify basic item identification data.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
010	LIN	Item Identification	M	1		Must use
100	DTM	Date/Time Reference	O	10		Used
140	REF	Reference Numbers	O	>1		Used
320		Loop QTY	O		99	Used

LIN Item Identification

Pos: 010	Max: 1
Detail - Mandatory	
Loop: LIN	Elements: 4

User Option (Usage): Must use

Purpose: To specify basic item identification data.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN02	235	Product/Service ID Qualifier	M	ID	2/2	Must use

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

Code List Summary (Total Codes: 307, Included: 1)

Code Name

VP Vendor's (Seller's) Part Number

LIN03	234	Product/Service ID	M	AN	1/30	Must use
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Description: Identifying number for a product or service.

Simplot Note: *Simplot JDE product number (15 alpha)*

LIN04	235	Product/Service ID Qualifier	O	ID	2/2	Used
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Description: Code identifying the type/source of the descriptive number used in Product/Service ID (234).

Simplot Note: *LIN04 and LIN05 will only be entered if the Simplot Lot ID is non blank.*

Code List Summary (Total Codes: 307, Included: 1)

Code Name

LT Lot Number

LIN05	234	Product/Service ID	X	AN	1/30	Used
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Description: Identifying number for a product or service.

Simplot Note: *Simplot Lot ID. (10 alpha)*

This is usually a manufacture or use-by date in DDMMYY format.

Syntax Rules:

1. C0405 - If LIN04 is present, then LIN05 is required.
2. C0607 - If LIN06 is present, then LIN07 is required.
3. C0809 - If LIN08 is present, then LIN09 is required.
4. C1011 - If LIN10 is present, then LIN11 is required.
5. C1213 - If LIN12 is present, then LIN13 is required.
6. C1415 - If LIN14 is present, then LIN15 is required.
7. C1617 - If LIN16 is present, then LIN17 is required.
8. C1819 - If LIN18 is present, then LIN19 is required.
9. C2021 - If LIN20 is present, then LIN21 is required.
10. C2223 - If LIN22 is present, then LIN23 is required.
11. C2425 - If LIN24 is present, then LIN25 is required.
12. C2627 - If LIN26 is present, then LIN27 is required.
13. C2829 - If LIN28 is present, then LIN29 is required.

14. C3031 - If LIN30 is present, then LIN31 is required.

Semantics:

1. LIN01 is the line item identification

Comments:

1. See the Data Dictionary for a complete list of ID's.
2. 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.

DTM Date/Time Reference

Pos: 100	Max: 10
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	Date/Time Qualifier	M	ID	3/3	Must use

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

Code List Summary (Total Codes: 601, Included: 1)

Code Name

511 Shelf Life Expiration

DTM02	373	Date	X	DT	6/6	Used
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Description: Date (YYMMDD).

Syntax Rules:

1. R020306 - At least one of DTM02, DTM03 or DTM06 is required.
2. P0607 - If either DTM06 or DTM07 is present, then the other is required.

Simplot Note:

Required

REF Reference Numbers

Pos: 140	Max: >1
Detail - Optional	
Loop: LIN	Elements: 2

User Option (Usage): Used

Purpose: To specify identifying numbers.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
REF01	128	Reference Number Qualifier	M	ID	2/2	Must use

Description: Code qualifying the Reference Number.

Code List Summary (Total Codes: 859, Included: 1)

Code Name

08 Carrier Assigned Package Identification Number

REF02	127	Reference Number	X	AN	1/30	Used
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Description: Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Simplot Note: Refer 5.15.2.2 for status codes

Syntax Rules:

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

Loop Quantity

Pos: 320	Repeat: 99
Optional	
Loop: QTY	Elements: N/A

User Option (Usage): Used

Purpose: To specify quantity information.

Loop Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Usage</u>
320	QTY	Quantity	0	1		Used

QTY Quantity

Pos: 320	Max: 1
Detail - Optional	
Loop: QTY	Elements: 3

User Option (Usage): Used

Purpose: To specify quantity information.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
QTY01	673	Quantity Qualifier	M	ID	2/2	Must use

Description: Code specifying the type of quantity.

Code List Summary (Total Codes: 326, Included: 1)

Code Name

17 Quantity on Hand

QTY02	380	Quantity	M	R	1/15	Must use
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Description: Numeric value of quantity.

Simplot Note: *Stock on Hand in cartons (8,0 numeric), in kilograms (8,2 numeric) or each (8,0 numeric)*

QTY03	355	Unit or Basis for Measurement Code	O	ID	2/2	Used
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Description: Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken

Code List Summary (Total Codes: 719, Included: 3)

Code Name

CT Carton

EA Each

KG Kilogram

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

User Option (Usage): Used

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

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Description: Total number of line items in the transaction set.

Syntax Rules:

1. C0304 - If CTT03 is present, then CTT04 is required.
2. C0506 - If CTT05 is present, then CTT06 is required.

Comments:

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

SE Transaction Set Trailer

Pos: 020	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

User Option (Usage): Must use

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).

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SE01	96	Number of Included Segments	M	N0	1/10	Must use

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

Simplot Note: *Usually generated by EDI software.*

SE02	329	Transaction Set Control Number	M	AN	4/9	Must use
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Description: Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set

Simplot Note: *Same number as ST02.*

Comments:

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