846 Inventory Inquiry/Advice

X12/V3040/846

Version: 2.0

Company:	**Simplot Australia**
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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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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:

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

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
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 Example:

```
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#
DTM\511\250301#
QTY\17\2425#
LIN\\VP\12653\LT\09MAY22BAT#
DTM\511\250501#
QTY\17\1146#
LIN\\VP\12653\LT\17MAY21BAT#
```

DTM\511\240501#
QTY\17\176#
LIN\\VP\12755\LT\1565442#
DTM\511\250601#
QTY\17\836#
LIN\\VP\12755\LT\1577456#
DTM\511\251001#
QTY\17\294#
LIN\\VP\12814\LT\22AUG2022#
DTM\511\230523#
REF\08\322#
QTY\17\11#
LIN\\VP\12824\LT\1564623#
DTM\511\250701#
QTY\17\420#
LIN\\VP\13078\LT\1560267#
DTM\511\250701#
QTY\17\27#
LIN\\VP\34448\LT\1558842#
DTM\511\270401#
QTY\17\17#
LIN\\VP\34448\LT\1567664#
DTM\511\270801#
QTY\17\1133#
CTT\83#
SE\257\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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
846	X12.28 Inventory Inquiry/Advice

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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.*

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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)

Code	Name
00	Original

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA02	755	**Report Type Code**	M	ID	2/2	Must use

Description: Code indicating the title or contents of a document, report or supporting item

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

Code	Name
LC	Location Inventory Report

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA03	127	**Reference Number**	M	AN	1/30	Must use

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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA04	373	**Date**	M	DT	6/6	Must use

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.

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BIA05	337	**Time**	O	TM	4/8	Used

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.

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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
007	Effective

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	6/6	Used

Description: Date (YYMMDD).

Simplot Note: *Stock reconciliation date.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM03	337	**Time**	X	TM	4/8	Used

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).*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM05	624	**Century**	O	N0	2/2	Used

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

Simplot Note: *Century value of stock reconciliation date.*

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
080	N1	Name	O	1		Used

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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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N103	66	**Identification Code Qualifier**	X	ID	1/2	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N104	67	**Identification Code**	X	AN	2/17	Used

Description: Code identifying a party or other code.

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

Loop Item Identification

User Option (Usage): Must use

Purpose: To specify basic item identification data.

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	LIN	Item Identification	M	1		Must use
100	DTM	Date/Time Reference	M	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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN03	234	**Product/Service ID**	M	AN	1/30	Must use

Description: Identifying number for a product or service.

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN04	235	**Product/Service ID Qualifier**	O	ID	2/2	Used

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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN05	234	**Product/Service ID**	X	AN	1/30	Used

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.

DTM   Date/Time Reference

Pos: 100	Max: 10
Detail - Mandatory	
Loop: LIN	**Elements: 2**

User Option (Usage): Used

Purpose: To specify pertinent dates and times

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
DTM02	373	**Date**	X	DT	6/6	Used

Description: Date (YYMMDD).

REF Reference Numbers

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

User Option (Usage): Used

Purpose: To specify identifying numbers.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF02	127	**Reference Number**	X	AN	1/30	Used

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*

Loop Quantity

User Option (Usage): Used

Purpose: To specify quantity information.

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
320	QTY	Quantity	O	1		Used

QTY Quantity

<table>
<tr><td>Pos: 320</td><td>Max: 1</td></tr>
<tr><td colspan="2" align="center">Detail - Optional</td></tr>
<tr><td>Loop: QTY</td><td>Elements: 3</td></tr>
</table>

User Option (Usage): Used

Purpose: To specify quantity information.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY02	380	**Quantity**	M	R	1/15	Must use

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)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
QTY03	355	**Unit or Basis for Measurement Code**	O	ID	2/2	Used

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

<table>
<tr><td>Pos: 010</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Optional</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 1</td></tr>
</table>

User Option (Usage): Used

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

Element Summary:

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

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

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:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
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.*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE02	329	**Transaction Set Control Number**	M	AN	4/9	Must use

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.*