856 Ship Notice/Manifest

X12/V3040/856

Version: 2.0

Company:	**Simplot Australia**
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Notes:	**edi.australia.support@simplot.com**

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856   Ship Notice/Manifest

Functional Group=SH

Purpose: This Draft Standard for Trial Use contains the format and establishes the data contents of the Ship Notice/Manifest Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to list the contents of a shipment of goods as well as additional information relating to the shipment, such as order information, product description, physical characteristics, type of packaging, marking, carrier information, and configuration of goods within the transportation equipment. The transaction set enables the sender to describe the contents and configuration of a shipment in various levels of detail and provides an ordered flexibility to convey information.

The sender of this transaction is the organization responsible for detailing and communicating the contents of a shipment, or shipments, to one or more receivers of the transaction set. The receiver of this transaction set can be any organization having an interest in the contents of a shipment or information about the contents of a shipment.

Heading:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSN	Beginning Segment for Ship Notice	M	1			Must use

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1			Must use
050	PRF	Purchase Order Reference	O	1			Used
LOOP ID - N1					**200**		
220	N1	Name	O	1		N2/220	Used
LOOP ID - HL					**200000**	**C2/010L**	
010	HL	Hierarchical Level	M	1			Must use
020	LIN	Item Identification	O	1			Used
030	SN1	Item Detail (Shipment)	O	1			Used
050	PRF	Purchase Order Reference	O	1			Used
150	REF	Reference Numbers	O	>1			Used
200	DTM	Date/Time Reference	O	10			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
020	SE	Transaction Set Trailer	M	1			Must use

Simplot Example:

ST\856\18563|
BSN\00\PO Number\221021\093143|
HL\1\\S|
PRF\PO Number|
N1\WH\\91\Warehouse Number|
N1\EN\CHDSPOLJ|
HL\2\\I|
LIN\\VP\12041|
SN1\\882\CT|
PRF\OF01578094\\\\1|
DTM\017\221107\\\20|
HL\2\\I|

LIN\\VP\12756|
SN1\\588\CT|
PRF\OF01578094\\\\2|
DTM\017\221107\\\20|
HL\2\\|
LIN\\VP\12824|
SN1\\252\CT|
PRF\OF01578094\\\\3|
DTM\017\221107\\\20|
HL\2\\|
LIN\\VP\34448|
SN1\\576\CT|
PRF\OF01578094\\\\4|
DTM\017\221107\\\20|
HL\2\\|
LIN\\VP\34566|
SN1\\1470\CT|
PRF\OF01578094\\\\5|
DTM\017\221107\\\20|
HL\2\\|
LIN\\VP\34926|
SN1\\720\CT|
PRF\OF01578094\\\\6|
DTM\017\221107\\\20|
SE\37\18563|

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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
856	X12.10 Ship Notice/Manifest

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.*

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BSN Beginning Segment for Ship Notice

Pos: 020	**Max: 1**
Heading - Mandatory	
Loop: N/A	**Elements: 4**

User Option (Usage): Must use

Purpose: To transmit identifying numbers, dates and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN01	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: 3)

Code	Name
00	Original
01	Cancellation
04	Change

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN02	396	**Shipment Identification**	M	AN	2/30	Must use

Description: A unique control number assigned by the original shipper to identify a specific shipment.

Simplot Note: *Simplot Purchase Order Number (15 Alphanumeric)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN03	373	**Date**	M	DT	6/6	Must use

Description: Date (YYMMDD).

Simplot Note: *The date the PO was last modified*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSN04	337	**Time**	M	TM	4/8	Must use

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 PO was last modified (HHMMSS)*

Loop Hierarchical Level

Pos: 010	Repeat: 200000
Mandatory	
Loop: HL	Elements: N/A

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level	M	1		Must use
050	PRF	Purchase Order Reference	O	1		Used
220		Loop N1	O		200	Used

HL   Hierarchical Level

<table>
<tr><td>Pos: 010</td><td style="text-align:right">Max: 1</td></tr>
<tr><td colspan="2" style="text-align:center">Detail - Mandatory</td></tr>
<tr><td>Loop: HL</td><td style="text-align:right">Elements: 2</td></tr>
</table>

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data 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>
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

Description: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.

Simplot Note: *1   Primary level*

HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure.

Code List Summary (Total Codes: 81, Included: 1)

<u>Code</u>	<u>Name</u>
S	Shipment

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PRF   Purchase Order Reference

Pos: 050	Max: 1
Detail - Optional	
Loop: HL	Elements: 1

User Option (Usage): Used

Purpose: To provide reference to a specific purchase order

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser.

Simplot Note: *Simplot PO number (15 Alphanumeric)*

Loop Name

Pos: 220	**Repeat: 200**
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
220	N1	Name	O	1		Used

N1 Name

Pos: 220   **Max: 1**
Detail - Optional
Loop: N1   **Elements: 4**

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: 2)

Code	Name
EN	End User
WH	Warehouse

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N102	93	**Name**	X	AN	1/35	Used

Description: Free-form name.

Simplot Note: *If N101 = EN   The AS/400 user that last maintained this PO (10 alpha)*

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).

Simplot Note: *If N101 = WH*

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: *If N101 = WH   Warehouse number assigned by Simplot (2 alpha)*

Loop Hierarchical Level

Pos: 010	**Repeat: 200000**
Mandatory	
Loop: HL	**Elements: N/A**

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Loop Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Usage
010	HL	Hierarchical Level	M	1		Must use
020	LIN	Item Identification	O	1		Used
030	SN1	Item Detail (Shipment)	O	1		Used
050	PRF	Purchase Order Reference	O	1		Used
150	REF	Reference Numbers	O	>1		Used
200	DTM	Date/Time Reference	O	10		Used

HL Hierarchical Level

Pos: 010	**Max: 1**
Detail - Mandatory	
Loop: HL	**Elements: 2**

User Option (Usage): Must use

Purpose: To identify dependencies among and the content of hierarchically related groups of data segments.

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL01	628	**Hierarchical ID Number**	M	AN	1/12	Must use

> **Description:** A unique number assigned by the sender to identify a particular data segment in a hierarchical structure.
>
> **Simplot Note:** *2   Secondary level*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
HL03	735	**Hierarchical Level Code**	M	ID	1/2	Must use

Description: Code defining the characteristic of a level in a hierarchical structure.

Code List Summary (Total Codes: 81, Included: 1)

Code	Name
I	Item

LIN   Item Identification

Pos: 020	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

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)*

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SN1 Item Detail (Shipment)

Pos: 030	Max: 1
Detail - Optional	
Loop: HL	Elements: 2

User Option (Usage): Used

Purpose: To specify line item detail relative to shipment

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN102	382	**Number of Units Shipped**	M	R	1/10	Must use

Description: Numeric value of units shipped in manufacturer's shipping units for a line item or transaction set.

Simplot Note: *Number of items to be received (8,0 numeric)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SN103	355	**Unit or Basis for Measurement Code**	M	ID	2/2	Must use

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

PRF Purchase Order Reference

Pos: 050	**Max: 1**
Detail - Optional	
Loop: HL	**Elements: 2**

User Option (Usage): Used

Purpose: To provide reference to a specific purchase order

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF01	324	**Purchase Order Number**	M	AN	1/22	Must use

Description: Identifying number for Purchase Order assigned by the orderer/purchaser.

Simplot Note: *Simplot PO number (15 Alphanumeric)*

Ref	Id	Element Name	Req	Type	Min/Max	Usage
PRF05	350	**Assigned Identification**	O	AN	1/11	Used

Description: Alphanumeric characters assigned for differentiation within a transaction set.

Simplot Note: *Simplot PO line number (3,0 numeric)*

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REF   Reference Numbers

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.

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DTM   Date/Time Reference

Pos: 200	Max: 10
Detail - Optional	
Loop: HL	**Elements: 3**

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
017	Estimated Delivery

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

Description: Date (YYMMDD).

Simplot Note: *Expected date.*

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 DTM02.*

SE Transaction Set Trailer

<table>
<tr><td>Pos: 020</td><td>Max: 1</td></tr>
<tr><td colspan="2">Summary - Mandatory</td></tr>
<tr><td>Loop: N/A</td><td>Elements: 2</td></tr>
</table>

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.*