



Implementation Guide

Advanced Ship Notice

(Electronic document 856 ANSI X.12)



Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

TABLE OF CONTENTS

I. IDENTIFICATION.....	3
COMPANY.....	3
CONTACTS.....	3
II. TECHNICAL PARAMETERS.....	4
VALUED ADDED NETWORKS (VAN).....	4
DOCUMENT SEPARATORS.....	4
III. SET UP PROCEDURE.....	5
SETUP BY THE EDI COORDINATOR.....	5
TESTS PROCEDURE.....	5
CONTRACT.....	5
IV. TRANSACTIONS.....	6
DETAIL OF SEGMENTS.....	7
ISA Interchange Control Header.....	7
GS Functional Group Header.....	8
ST Transaction Set Header.....	9
BSN Beginning Segment for Ship Notice.....	10
HL Hierarchical Level (Shipment).....	11
TD1 Carrier Details (Quantity and Weight).....	12
TD5 Carrier Details (Routing Sequence/Transmit Time).....	13
TD3 Carrier Detail (Equipment).....	14
REF Reference Numbers.....	15
PER Administrative Communications Contact.....	16
DTM Date/Time Reference.....	17
FOB F.O.B. Related Information.....	18
N1 Name.....	19
N3 Address Information.....	20
N4 Geographic Location.....	21
HL Hierarchical Level (Tare).....	22
MAN Marks and Numbers.....	23
PAL Pallet Information.....	24
HL Hierarchical Level (Purchase Order).....	25
PRF Purchase Order Reference.....	26
REF Reference Numbers.....	27
N1 Name.....	28
N3 Address Information.....	29
N4 Geographic Location.....	30
HL Hierarchical Level (Item).....	31
LIN Item Identification.....	32
SN1 Item Detail (Shipment).....	33
PO4 Item Physical Details.....	34
CTT Transaction Totals.....	36
SE Transaction Set Trailer.....	37
GE Functional Group Trailer.....	38
IEA Interchange Control Trailer.....	39
NAPA DC LISTING.....	40
TW DC LISTING.....	41
SAMPLE OF AN EDI INTERCHANGE FOR ADVANCED SHIP NOTICE.....	42

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

I. IDENTIFICATION.

COMPANY

UAP INC.

7025, Ontario Est
Montréal, Québec
H1N 2B3
Phone: (514) 256-5031
Fax: (514) 256-8469
Web page: <http://www.uapinc.com/>

CONTACTS

UAP PURCHASING DEPARTMENT

M. Bernard Robert
Coordinator Purchasing Services
7025, Ontario east
Montréal, Québec
H1N 2B3
Phone: (514) 256-5031 (ext. 7443)
Fax: (514) 251-8469
E-mail: brobert@uapinc.com

EDI COORDINATOR FOR THE DATA PROCESSING DEPARTMENT

Ms. Danielle Guay
EDI Analyst
2025, Haig
Montréal, Québec
H1N 3E2
Phone: (514) 256-5031 (ext: 7574)
Fax: (514) 256-9349
E-mail: ediadmin2@uapinc.com

EDI FIRST LEVEL SUPPORT

Phone: CAN 1-800-465-5031
US 514-256-0957

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

II. TECHNICAL PARAMETERS

VALUE ADDED NETWORKS (VAN)

Network:	GPC Net (EasyLink)
Mailbox identification:	Qualifier: 01 (Dun & Bradstreet)
	Identification: 202362737

DOCUMENT SEPARATORS

Description	Text	Hex
Element separator		7C
Sub-Element Separator	>	3E
Segment separator	~	7E

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

III. SET UP PROCEDURE

SETUP BY THE EDI COORDINATOR

Using the inquiry information, the setup to exchange EDI documents with the supplier is done and a test transaction with dummy part numbers is prepared.

TESTS PROCEDURE

Those steps shall be respect for the implementation of an ASN EDI document or for the implementation of a new version of the ASN EDI document.

TEST PROCEDURES

CONTRACT

UAP have established a specific contract form for Electronic Data Interchange.

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

IIV. TRANSACTIONS

Heading:

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
010	ST	Transaction Set Header	M	1		Must Use
020	BSN	Beginning Seg. For Ship Notice	M	1		Must Use

Detail:

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
		LOOP ID – HL			1	
010	HL	Hierarchical Level (Shipment)	M	1		Must Use
110	TD1	Carrier Detail (Qty and Weight)	M	20		Must Use
120	TD5	Carrier Detail (Routing sequence/Transit Time)	O	12		
130	TD3	Carrier Detail (Equipment)	O	12		
150	REF	Reference Number	M	1		Must Use
151	PER	Administrative Communications Contact	O	1		
040	DTM	Date/Time Reference	M	3		Must Use
210	FOB	FOB Related Information	O	1		
		LOOP ID – N1			3	
220	N1	Name	M	1		Must Use
240	N3	Address Information	O	1		
250	N4	Geographic Information	O	1		
		LOOP ID – HL			200000	
010	HL	Hierarchical Level (Tare)	O	1		
190	MAN	Marks and Numbers	O	>1		
215	PAL	Pallet and Numbers	O	1		
		LOOP ID – HL			200000	
010	HL	Hierarchical Level (Order)	M	1		Must Use
050	PRF	Purchase Order Reference	M	1		Must Use
150	REF	Reference Number	M	1		Must Use
		LOOP ID – N1			1	
220	N1	Name	O			
240	N3	Address Information	O			
250	N4	Geographic Information	O			
		LOOP ID – HL			200000	
010	HL	Hierarchical Level (Item)	M	1		Must Use
020	LIN	Item Identification	M	1		Must Use
030	SN1	Item Detail (shipment)	M	1		Must Use
060	PO4	Item Physical Detail	O	1		

Summary:

Pos. No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes and Comments
010	CTT	Transaction Totals	M	1		Must Use
020	SE	Transaction Set Trailer	M	1		Must Use

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : **ISA Interchange Control Header**

LEVEL : CONTROL HEADER

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : IDENTIFY THE BEGINNING OF AN INTERCHANGE

Ref	Data Element	Name	Attributes	Comments
ISA01	101	Authorisation Information Qualifier	M ID 02/02	"00"
ISA02	102	Authorisation Information	M AN 10/10	Blanks
ISA03	103	Security information Qualifier	M ID 02/02	"00"
ISA04	104	Security Information	M AN 10/10	Blanks
ISA05	105	Interchange ID Qualifier	M ID 02/02	Supplier ID qualifier
ISA06	106	Interchange Sender ID	M ID 15/15	Supplier ID Code
ISA07	105	Interchange ID Qualifier	M ID 02/02	"01"
ISA08	107	Interchange Receiver ID	M ID 15/15	"202362737"
ISA09	108	Interchange Date	M DT 06/06	Transmission date YYMMDD
ISA10	109	Interchange Time	M TM 04/04	Transmission time HHMM
ISA11	110	Interchange Standard ID	M ID 01/01	"U"
ISA12	111	Interchange version ID	M ID 05/05	"00401"
ISA13	112	Interchange control ID	M NO 09/09	Seq. Number starts at 1 and increase by 1 for each ISA
ISA14	113	Acknowledgement	M ID 01/01	"0"
ISA15	114	Test Indicator	M ID 01/01	"P" Production "T" Tests
ISA16	115	Sub-element Separator	M AN 01/02	">"

SAMPLE:

ISA|00| |00| |01|123456789 |01|202362737 |040518|0810|U|00401|000000001|0|P|>~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : GS Functional Group Header

LEVEL : HEADER

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : IDENTIFY THE BEGINNING OF A GROUP OF DOCUMENTS

Ref	Data Element	Name	Attributes	Comments
GS01	479	Functional ID Code	M ID 02/02	"SH" – Ship Notice/Manifest
GS02	142	Application Sender's Code	M AN 02/15	Supplier ID Code
GS03	124	Application Receiver's Code	M AN 02/15	"202362737"
GS04	373	Date	M DT 08/08	Group Date YYYYMMDD
GS05	373	Group Time	M TM 04/08	Group Time HHMM
GS06	28	Group Control Number	M NO 01/09	Sequential number starting at 1
GS07	455	Responsible Agency Code	M ID 01/02	"X"
GS08	480	Version/Release/Industry ID Code	M ID 01/12	"004010"

SAMPLE: GS|SH|123456789|202362737|20040518|0810|10001|X|004010~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : **ST** Transaction Set Header
LEVEL : HEADER
LOOP : N/A
USAGE : 1/1 (MANDATORY)
PURPOSE : IDENTIFY THE BEGINNING OF A DOCUMENT

Ref.	Data Element	Name	Attributes	Comments
ST01	143	Transaction Set Identifier Code	M ID 03/03	" 856 " – Advanced Shipment Notice
ST02	329	Transaction Set Control Number	M AN 04/09	Unique seq. number assigned to each document of a functional group. Starting at 1 and increasing by 1 for each subsequent document.

SAMPLE: ST|856|0001~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : **BSN Beginning Segment for Ship Notice**

LEVEL : HEADER

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : TO TRANSMIT IDENTIFYING NUMBERS DATES AND OTHER BASIC DATA
RELATING TO THE TRANSACTION SET.

Ref.	Data Element	Name	Attributes	Comments
BSN01	353	Transaction Set Purpose Code	M ID 02/02	"00" – Original
BSN02	396	Shipment Identification	M ID 02/30	A unique control number assigned by the original shipper to identify a specific shipment.
BSN03	373	Date	M DT 08/08	Creation Date YYYYMMDD
BSN04	337	Time	M TM 04/08	Creation Time HHMM (uses the 24 hour clock)
BSN05 to BSN07				Not used

Note:

SAMPLES: BSN|00|84938727103|20040518|1132|0001~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : HL Hierarchical Level (Shipment)

LEVEL : DETAIL

LOOP : HL - SHIPMENT

USAGE : 1/1 (MANDATORY)

PURPOSE : TO IDENTIFY DEPENDENCIES AMONG AND THE CONTENT OF HIERARCHICALLY RELATED GROUPS OF DATA SEGMENTS.

Ref.	Data Element	Name	Attributes	Comments
HL01	628	Hierarchical ID Number	M N0 01/10	Contains unique number for each HL occurrence
HL02	734	Hierarchical Parent ID Number	O N0 01/10	N/A
HL03	735	Hierarchical Level Code	M AN 01/02	"S" – Shipment
HL04	736			Not used

Note:

SAMPLES: HL|1||S~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : TD1 Carrier Details (Quantity and Weight)

LEVEL : DETAIL
LOOP : HL - SHIPMENT
USAGE : 1/20 (MANDATORY)
PURPOSE : TO SPECIFY THE TRANSPORTATION DETAILS RELATIVE TO COMMODITY WEIGHT AND QUANTITY.

Ref.	Data Element	Name	Attributes	Comments
TD101	103	Packaging Code	M ID 05/05	"CTN90" – Standard Carton "PCS90" – Standard Pieces "PLT90" – Standard Pallet
TD102	80	Lading Quantity	M N0 01/07	Number of units as described in TD101
TD103	23	Commodity Code Qualifier	O ID 01/01	Not used
TD104	22	Commodity Code	O AN 01/30	Not used
TD105	79	Lading Description	O AN 01/50	Not used
TD106	187	Weight Qualifier	O ID 01/02	"G" – Gross Weight
TD107	81	Weight	X R 01/10	Numeric value of the weight
TD108	355	Unit or Basis for Measurement Code	X ID 02/02	"KG" – Kilograms "LB" – Pounds
TD109	183	Volume	O R 01/08	Not used
TD110	355	Unit or Basis for Measurement Code	O ID 02/02	Not used

Note:

Syntax Notes:

- 01 If DT106 is present, then DT107 is required
- 02 If either TD107 or TD108 is present, then the other is required

SAMPLES: TD1|PLT90|1|||G|453|LB~
TD1|CTN90|100|||G|15500|KG~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : TD5 Carrier Details (Routing Sequence/Transmit Time)

LEVEL : DETAIL
LOOP : HL - SHIPMENT
USAGE : 0/12 (OPTIONAL)
PURPOSE : TO SPECIFY THE CARRIER AND SEQUENCE OF ROUTING AND PROVIDE TRANSIT TIME INFORMATION

Ref.	Data Element	Name	Attributes	Comments
TD501	133	Routing Sequence Code	O ID 01/02	Not used
TD502	66	Identification Code Qualifier	O ID 01/02	ZZ – Mutually Define
TD503	67	Identification Code	X AN 02/80	PRO Number
TD504	91	Transportation Method/Type Code	M ID 01/02	“M” – Motor (Common Carrier)
TD505	387	Routing	M AN 01/35	Carrier Name

Note:

Syntax Notes:

01 If TD502 is present, then TD503 is required

SAMPLES: TD5||ZZ|123456789|J|YELLOW~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : TD3 Carrier Details (Equipment)

LEVEL : DETAIL

LOOP : HL - SHIPMENT

USAGE : 1/12 (OPTIONAL)

PURPOSE : TO SPECIFY TRANSPORTATION DETAILS RELATING TO EQUIPMENT USED BY
THE CARRIER

Ref.	Data Element	Name	Attributes	Comments
TD301	40	Equipment Description Code	M ID 02/02	"TL" – Trailer
TD302	206	Equipment Initial	O AN 01/04	Not used
TD303	207	Equipment Number	O AN 01/10	Trailer number

Note:

SAMPLES: TD3|TL||123456~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : REF Reference Numbers

LEVEL : DETAIL
LOOP : HL - SHIPMENT
USAGE : 1/1 (MANDATORY)
PURPOSE : TO SPECIFY IDENTIFYING NUMBERS.

Ref.	Data Element	Name	Attributes	Comments
REF01	128	Reference Number Qualifier	M ID 02/02	"BM" – Bill of Lading
REF02	127	Reference Number	M AN 01/20	Number referred to in REF01
REF03	352	Description	O AN 01/80	Not used
REF04	C040	Reference Identifier	O	Not used

Note: UAP will not accept multiple ASNs for a BOL. All the information regarding a BOL must be sent in a single ASN transaction. This transaction is only to be sent when the shipment leaves your dock. If we do receive multiple ASN transactions for a single BOL, the first transaction received will be added in our database and processed, but the other ASNs mentioning the same BOL will be rejected as duplicate. This is unacceptable to UAP.

SAMPLES: REF|BM|20051515~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : PER Administrative Communications Contact

LEVEL : DETAIL
LOOP : HL - SHIPMENT
USAGE : 0/1 (OPTIONAL)
PURPOSE : TO IDENTIFY A PERSON OR OFFICE TO WHOM ADMINISTRATIVE COMMUNICATIONS SHOULD BE DIRECTED.

Ref.	Data Element	Name	Attributes	Comments
PER01	366	Contact Function Code	M ID 02/02	"SH" – Shipper Contact
PER02	093	Name	M AN 01/35	Contact name
PER03	365	Communication Number Qualifier	X ID 02/02	"TE" – Telephone
PER04	364	Communication Number	X AN 01/30	Telephone number xxx-xxx-xxxx
PER05	365	Communication Number Qualifier	O ID 02/02	Not used
PER06	364	Communication Number	O AN 01/80	Not used
PER07	365	Communication Number Qualifier	O ID 02/02	Not used
PER08	364	Communication Number	O AN 01/80	Not used
PER09	443	Contact Inquiry Reference	O AN 01/20	Contact ID

Note:

Syntax Notes:

01 If PER03 or PER04 is present, then the other is required

SAMPLES: PER|SH|John Doe|TE|514-555-1234|||||987654~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : DTM Date/Time Reference

LEVEL : DETAIL
LOOP : HL - SHIPMENT
USAGE : 1/3 (MANDATORY)
PURPOSE : TO SPECIFY PERTINENT DATES AND TIMES.

Ref.	Data Element	Name	Attributes	Comments
DTM01	374	Date/Time Qualifier	M ID 03/03	"002" – Delivery Requested "011" – Shipped "017" – Estimated Receipt Date (mandatory)
DTM02	373	Date	M AN 08/08	YYYYMMDD
DTM03	337	Time	O AN 04/08	HHMM (uses the 24 hour clock)
DTM04	623	Time Code	X ID 02/02	"LT" – Local Time (same time zone as receiver) "PT" – Pacific Time "MT" – Mountain Time "CT" – Central Time "ET" – Eastern Time "TT" – Atlantic Time
DTM05				Not used
DTM06				Not used

Note: You must send the Estimated Receipt Date DTM segment. The other two are optional.

Syntax Notes:

01 If DTM04 is present, then DTM03 is required

SAMPLES: DTM|002|20040518|1400|LT~
DTM|011|20040518|1200|LT~
DTM|017|20040518|1500|LT~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : FOB F.O.B. Related Information

LEVEL : DETAIL

LOOP : HL - SHIPMENT

USAGE : 0/1 (OPTIONAL)

PURPOSE : TO SPECIFY TRANSPORTATION INSTRUCTIONS RELATING TO SHIPMENT.

Ref.	Data Element	Name	Attributes	Comments
FOB01	146	Shipment Method of Payment	M ID 02/02	"CC" – Collect "PC" – Prepaid but charged to the customer "PP" – Prepaid (by Seller)
FOB02	309	Location Qualifier	X ID 01/02	"ZZ" – Mutually defined
FOB03	352	Description	O AN 01/80	Description location
FOB04	334	Transportation Terms Qualifier Code	O ID 02/02	Not used
FOB05	335	Transportation Terms Qualifier	O ID 03/03	Not used
FOB06	309	Location Qualifier	O ID 01/02	Not used
FOB07	352	Description	O AN 01/80	Not used
FOB08	54	Risk of Loss Qualifier	O ID 02/02	Not used
FOB09	352	Description	O AN 01/80	Not used

Note:

Syntax Notes:

01 If FOB03 is present, then FOB02 is required

SAMPLES: FOB|PP|ZZ|OUR FACTORY~

OR

FOB|CC|ZZ|CUSTOMER LOCATION~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N1 Name

LEVEL : DETAIL

LOOP : N1

USAGE : 2/3 (MANDATORY)

PURPOSE : TO IDENTIFY A PARTY BY TYPE OF ORGANIZATION, NAME, AND CODE.

Ref.	Data Element	Name	Attributes	Comments
N101	098	Entity Identifier Code	M ID 02/03	" SF " – Ship From (mandatory) " ST " – Ship To (mandatory) " SH " – Shipper (optional)
N102	093	Name	M AN 01/60	
N103	066	Identification Code Qualifier	M AN 01/02	" 92 " – Assigned by Buyer
N104	067	Identification Code	M ID 02/10	
N105	706	Entity Relationship Code	O ID 02/02	Not used
N106	098	Entity Identifier Code	O ID 02/03	Not used

Note: The ship from code is your supplier code, please ask the EDI analyst for your code or it can be found in element N104 of the SU N1 segment of the 850 document.

The ship to code can be found at this link [NAPA DC LISTING](#).

The shipper information is optional; this is from where the physical shipment comes from.

SAMPLES: N1|SF|KNIGHT REBUILDING|92|011200~

N1|ST|NAPA MONTREAL DISTRIBUTION CENTRE|92|00520000~

N1|SH|KNIGHT REBUILDING DC A|92|123456~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N3 Address Information

LEVEL : DETAIL

LOOP : N1

USAGE : 0/1 (OPTIONAL)

PURPOSE : IDENTIFY THE LOCATION OF THE NAMED PARTY

Ref.	Data Element	Name	Attributes	Comments
N301	166	Address Information	M AN 01/55	
N302	166	Address Information	O AN 01/55	Not used

Note:

SAMPLE: N3|123 Any Street~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N4 Geographic Location

LEVEL : DETAIL

LOOP : N1

USAGE : 0/1 (OPTIONAL)

PURPOSE : IDENTIFY THE ADDRESS OF THE "SHIP FROM" LOCATION

Ref.	Data Element	Name	Attributes	Comments
N401	19	City Name	O AN 02/30	
N402	156	State or Province Code	M ID 02/02	
N403	116	Postal Code	M ID 03/15	
N404	26	Country Code	M ID 02/03	"CA" – Canada "US" – United States
N405	309	Location Qualifier	O ID 01/02	Not used
N406	310	Location Identifier	O AN 01/25	Not used

Note:

SAMPLE: N4|Montréal|QC|H1N3E2|CA~
OR
N4|Chicago|IL|34002|US~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : HL Hierarchical Level (Tare)

LEVEL : DETAIL

LOOP : HL - TARE

USAGE : 0/1 (OPTIONAL)

PURPOSE : TO IDENTIFY DEPENDENCIES AMONG AND THE CONTENT OF HIERARCHICALLY RELATED GROUPS OF DATA SEGMENTS

Ref.	Data Element	Name	Attributes	Comments
HL01	628	Hierarchical ID Number	M N0 01/10	Contains a unique alphanumeric number for each occurrence of the HL segment in the transaction set.
HL02	734	Hierarchical Parent ID Number	M N0 01/10	Identifies the hierarchical parent ID number.
HL03	735	Hierarchical Level Code	M AN 01/02	"T" – Tare
HL04	736	Hierarchical Child Code	O ID 01/01	Not used

Note:

SAMPLES: HL|3|2|T~
OR
HL|4|2|T~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : MAN Marks and Numbers

LEVEL : DETAIL

LOOP : HL - TARE

USAGE : 0/1 (MANDATORY IF TARE LEVEL USED)

PURPOSE : TO INDICATE IDENTIFYING MARKS AND NUMBERS FOR SHIPPING CONTAINERS.

Ref.	Data Element	Name	Attributes	Comments
MAN01	88	Marks and Number Qualifier	M ID 01/02	"GM" – UCC-128 and Application Identifier.
MAN02	87	Marks and Number	M AN 01/20	Marks and numbers used to identify a shipment or parts of a shipment
MAN03	87	Marks and Number	O AN 01/48	Not used
MAN04	88	Marks and Number Qualifier	O ID 01/02	Not used
MAN05	87	Marks and Number	O AN 01/48	Not used
MAN06	87	Marks and Number	O AN 01/48	Not used

Note:

SAMPLES: MAN|GM|0000119575241945023~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : PAL Pallet Information

LEVEL : DETAIL
 LOOP : HL - TARE
 USAGE : 0/1 (OPTIONAL)
 PURPOSE : TO IDENTIFY THE TYPE AND PHYSICAL ATTRIBUTES OF THE PALLET AND GROSS WEIGHT GROSS VOLUME AND HEIGHT OF THE LOAD AND THE PALLET.

Ref.	Data Element	Name	Attributes	Comments
PAL01	883	Pallet Type Code	O ID 01/02	Not used
PAL02	884	Pallet Tiers	O AN 01/03	Not used
PAL03	885	Pallet Blocks	O AN 01/03	Not used
PAL04	356	Pack	O N0 01/06	Not used
PAL05	395	Unit Weight	O AN 01/08	Not used
PAL06	355	Unit of Measure Code	O ID 02/02	Not used
PAL07	82	Length	O R 01/08	Not used
PAL08	189	Width	O R 01/08	Not used
PAL09	65	Height	O R 01/08	Not used
PAL10	355	Unit of measurement code	O ID 02/02	Not used
PAL11	384	Gross Weight per Pack	O R 01/09	Not used
PAL12	355	Unit of measurement code	O ID 02/02	Not used
PAL13	385	Gross Volume per Pack	O R 01/09	Not used
PAL14	355	Unit or Basis for Measurement Code	O ID 02/02	Not used
PAL15	399	Pallet Exchange Code	O ID 01/01	"1" – No Exchange/No Return "2" – Exchange Pallets "3" – Return Pallets
PAL16	810	Inner Pack	O ID 01/06	Not used

Note:

SAMPLES: PAL|||||||||||||3~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : HL Hierarchical Level (Purchase Order)

LEVEL : DETAIL

LOOP : HL - ORDER

USAGE : 1/1 (MANDATORY)

PURPOSE : TO IDENTIFY DEPENDENCIES AMONG AND THE CONTENT OF HIERARCHICALLY RELATED GROUPS OF DATA SEGMENTS.

Ref.	Data Element	Name	Attributes	Comments
HL01	628	Hierarchical ID Number	M N0 01/10	Contains a unique alphanumeric number for each occurrence of the HL segment in the transaction set.
HL02	734	Hierarchical Parent ID Number	M N0 01/10	Identifies the hierarchical parent ID number.
HL03	735	Hierarchical Level Code	M AN 01/02	"O" – Purchase Order
HL04	736	Hierarchical Child Code	O ID 01/01	Not used

Note:

SAMPLES: HL|2|1|O~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : PRF Purchase Order Reference

LEVEL : DETAIL

LOOP : HL - ORDER

USAGE : 1/1 (MANDATORY)

PURPOSE : TO PROVIDE REFERENCE TO A SPECIFIC PURCHASE ORDER.

Ref.	Data Element	Name	Attributes	Comments
PRF01	324	Purchase Order Number	M AN 02/22	Original purchase order number
PRF02	328	Release Number	O AN 01/30	Not used
PRF03	327	Change Order Sequence Number	O AN 01/08	Not used
PRF04	373	Date	M DT 08/08	Purchase order date YYYYMMDD
PRF05	350	Assigned Identification	O AN 01/20	Not used
PRF06	367	Contract Number	O AN 01/30	Not used
PRF07	92	Purchase Order Type Code	O ID 02/02	Not used

Note:

SAMPLES: PRF|0050-44533|||20040510~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : REF Reference Numbers

LEVEL : DETAIL
LOOP : HL - ORDER
USAGE : 1/1 (MANDATORY)
PURPOSE : TO SPECIFY IDENTIFYING NUMBERS.

Ref.	Data Element	Name	Attributes	Comments
REF01	128	Reference Number Qualifier	M ID 02/03	"PK" – Packing list number (Mandatory)
REF02	127	Reference Number	M AN 01/30	Number referred to in REF01
REF03	352	Description	O AN 01/80	Not used
REF04	C040	Reference Identifier	O	Not used

Note:

SAMPLES: REF|PK|12345678~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N1 Name

LEVEL : DETAIL

LOOP : N1

USAGE : 0/1 (OPTIONAL)

PURPOSE : TO IDENTIFY A PARTY BY TYPE OF ORGANIZATION, NAME, AND CODE.

Ref.	Data Element	Name	Attributes	Comments
N101	098	Entity Identifier Code	M ID 02/03	"MA" – Party for whom Item is Ultimately Intended
N102	093	Name	M AN 01/60	
N103	066	Identification Code Qualifier	M AN 01/02	"92" – Assigned by buyer
N104	067	Identification Code	M ID 02/10	Assigned by UAP
N105	706	Entity Relationship Code	O ID 02/02	Not used
N106	098	Entity Identifier Code	O ID 02/03	Not used

Note: This segment is used for cross-dock shipments.

SAMPLES: N1|MA|NAPA SOREL|92|00520008~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N3 Address Information

LEVEL : DETAIL

LOOP : N1

USAGE : 0/1 (OPTIONAL)

PURPOSE : IDENTIFY THE LOCATION OF THE NAMED PARTY

Ref.	Data Element	Name	Attributes	Comments
N301	166	Address Information	M AN 01/55	
N302	166	Address Information	O AN 01/55	Not used

Note:

SAMPLE: N3|405 route Marie-Victorin~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : N4 Geographic Location

LEVEL : DETAIL

LOOP : N1

USAGE : 0/1 (OPTIONAL)

PURPOSE : IDENTIFY THE ADDRESS OF THE LOCATION OF THE NAMED PARTY

Ref.	Data Element	Name	Attributes	Comments
N401	19	City Name	O AN 02/30	
N402	156	State or Province Code	M ID 02/02	
N403	116	Postal Code	M ID 03/15	
N404	26	Country Code	M ID 02/03	"CA" – Canada "US" – United States
N405	309	Location Qualifier	O ID 01/02	Not used
N406	310	Location Identifier	O AN 01/25	Not used

Note:

SAMPLE: N4|SOREL|QC|J3R1K8|CA~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : HL Hierarchical Level (Item)

LEVEL : DETAIL

LOOP : HL - ITEM

USAGE : 1/1 (MANDATORY)

PURPOSE : TO IDENTIFY DEPENDENCIES AMONG AND THE CONTENT OF HIERARCHICALLY RELATED GROUPS OF DATA SEGMENTS

Ref.	Data Element	Name	Attributes	Comments
HL01	628	Hierarchical ID Number	M N0 01/10	Contains a unique alphanumeric number for each occurrence of the HL segment in the transaction set.
HL02	734	Hierarchical Parent ID Number	M N0 01/10	Identifies the hierarchical parent ID number.
HL03	735	Hierarchical Level Code	M AN 01/02	"I" – Item
HL04	736	Hierarchical Child Code	O ID 01/01	Not used

Note:

SAMPLES: HL|2|1|I~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : LIN Item Identification

LEVEL : DETAIL
 LOOP : HL - ITEM
 USAGE : 1/1 (MANDATORY)
 PURPOSE : TO SPECIFY BASIC ITEM IDENTIFICATION DATA.

Ref.	Data Element	Name	Attributes	Comments
LIN01	350	Assigned Identification	M AN 01/20	From element PO101 of purchase order
LIN02	235	Product/Service ID Qualifier	M ID 02/02	"VP" – Vendor Part Number
LIN03	234	Product/Service ID	M AN 01/48	
LIN04	235	Product/Service ID Qualifier	M ID 02/02	"PI" – UAP Part Number
LIN05	234	Product/Service ID	M AN 01/17	
LIN06	235	Product/Service ID Qualifier	M ID 02/02	"ZZ" – Mutually defined
LIN07	234	Product/Service ID	M AN 01/03	UAP Product line code (3 letters)
LIN08	235	Product/Service ID Qualifier	O ID 02/02	"UK" – U.P.C./EAN Shipping Container Code (1-2-5-5-1) "UP" – U.P.C. Consumer Package Code (1-5-5-1)
LIN09	234	Product/Service ID	O AN 01/48	
LIN10 to LIN31				Not used

Note: Eventually, UPC codes will be required in the identification of product ID

SAMPLES: LIN|101|VP|P88042|PI|PR88042|ZZ|UAP|UP|071709182748~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : SN1 Item Detail (Shipment)

LEVEL : DETAIL
LOOP : HL - ITEM
USAGE : 1/1 (MANDATORY)
PURPOSE : TO SPECIFY LINE-ITEM DETAIL RELATIVE TO SHIPMENT.

Ref.	Data Element	Name	Attributes	Comments
SN101	350	Assigned Identification	O AN 01/20	Not used
SN102	382	Number of Units Shipped	M R 01/10	
SN103	355	Unit of Measurement Code	M ID 02/02	See X12 EDI standard
SN104	646	Quantity Shipped to Date	O R 01/15	Not used
SN105	330	Quantity Ordered	O R 01/15	Not used
SN106	355	Unit or Basis for Measurement Code	O ID 02/02	Not used
SN107	728	Returnable Container Load Make-up Code	O ID 01/02	Not used
SN108	668	Line Item Status Code	O ID 02/02	"AC" – Item Accepted and Shipped "IB" – Item Backordered "IS" – Item Accepted & Substitution made "ID" – Item deleted ** See note below

Note: Only item status codes listed in this page will be accepted. If you send a code not appearing in this list, the entire ASN will be rejected.

Element SN108 is mandatory when there is an item substitution.

SAMPLES: SN1||10|EA||||AC~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : PO4 Item Physical Details

LEVEL : DETAIL
 LOOP : HL - ITEM
 USAGE : 0/1 (OPTIONAL)
 PURPOSE : TO SPECIFY THE PHYSICAL QUALITIES PACKAGING WEIGHTS AND DIMENSIONS RELATING TO THE ITEM.

Ref.	Data Element	Name	Attributes	Comments
PO401	356	Pack	O N0 01/06	
PO402	357	Size	X R 01/08	
PO403	355	Unit or Basis for Measurement Code	X ID 02/02	See X12 EDI standard
PO404	103	Packaging Code	O AN 03/05	See X12 EDI standard
PO405	187	Weight Qualifier	O ID 01/02	
PO406	384	Gross Weight per Pack	X R 01/09	
PO407	355	Unit or Basis for Measurement Code	X ID 02/02	See X12 EDI standard
PO408	385	Gross Volume per Pack	O R 01/09	Not used
PO409	355	Unit or Basis for Measurement Code	O ID 02/02	Not used
PO410	082	Length	X R 01/08	
PO411	189	Width	X R 01/08	
PO412	065	Height	X R 01/08	
PO413	355	Unit or Basis for Measurement Code	X ID 02/02	See X12 EDI standard
PO414	810	Inner Pack	O N0 01/06	
PO415	752	Surface/Layer/Position Code	O ID 02/02	Not used
PO416	350	Assigned Identification	O AN 01/20	Not used
PO417	350	Assigned Identification	O AN 01/20	Not used
PO418	1470	Number	O N0 02/09	Not used

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

Syntax Notes:

- 01 if PO402 or PO403 is present, then the other is required
- 02 if PO405 is present, then PO406 is required
- 03 if PO410 is present, then PO413 is required
- 04 if PO411 is present, then PO413 is required
- 05 if PO412 is present, then PO413 is required

SAMPLES: PO4|12||EA~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : CTT Transaction Totals

LEVEL : SUMMARY

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : TO TRANSMIT A HASH TOTAL FOR A SPECIFIC ELEMENT IN THE TRANSACTION SET.

Ref.	Data Element	Name	Attributes	Comments
CTT01	354	Number of Line Items	M NO 01/06	Number of line items ** See notes below **
CTT02	347	Hash Total	O R 01/10	Not used
CTT03	81	Weight	O R 01/10	Not used
CTT04	355	Unit of Measurement Code	O ID 02/02	Not used
CTT05	183	Volume	O R 01/08	Not used
CTT06	355	Unit of Measurement Code	O ID 02/02	Not used
CTT07	352	Description	O AN 01/80	Not used

Note: [The value in CTT01 must be the count of all LIN segment part of the ASN.](#)

SAMPLES: CTT|5~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : SE Transaction Set Trailer

LEVEL : SUMMARY

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : INDICATES THE END OF A DOCUMENT

Ref.	Data Element	Name	Attributes	Comments
SE01	96	Number of Included Segments	M NO 01/10	Total number of segments in the document including ST and SE
SE02	329	Transaction Set Control Number	M AN 04/09	Must be the same as ST02

SAMPLE: SE|37|0001~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : GE Functional Group Trailer

LEVEL : SUMMARY

LOOP : N/A

USAGE : 1/1 (MANDATORY)

PURPOSE : INDICATES THE END OF A FUNCTIONAL GROUP

Ref.	Data Element	Name	Attributes	Comments
GE01	97	Number of Transactions Sets Included	M NO 01/06	Number of documents included in the functional group
GE02	28	Group Control Number	M NO 01/09	Must be the same as GS06

SAMPLE: GE|1|1~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

DETAIL OF SEGMENTS

SEGMENT : IEA Interchange Control Trailer

LEVEL : CONTROL TRAILER

LOOP : N/A

USAGE : 1/1(MANDATORY)

PURPOSE : INDICATES THE END OF AN INTERCHANGE

Ref.	Data Element	Name	Attributes	Comments
IEA01	116	Number of Included Functional Groups	M NO 01/05	Number of segments GS included between the ISA and the IEA
IEA02	112	Interchange Control Number	M NO 09/09	Must be the same as ISA13

SAMPLE: IEA|1|000000001~

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

NAPA DC LISTING

Entity Number N104 qual ST	Name and Address
00050000	NAPA C.D. Quebec 2010 Lavoisier Rd. Ste-Foy, QC, G1N 4L3
00500000	NAPA D.C. Moncton 325 Edinburgh Dr. Moncton, NB, E1E 4A6
00520000	NAPA C.D. Montréal 2095 Haig Ave. Montreal, QC, H1N 3E2
00700000	NAPA D.C. Ottawa 725 Belfast Rd. Ottawa, ON, K1G 0Z4
01280000	Redistribution Centre 2025 Haig Ave. Montreal, QC, H1N 3E2
01660000	NAPA D.C. Cambridge 525 Boxwood Dr. Cambridge, ON, N3E 1A5
01880000	NAPA D.C. Edmonton 14819 - 118th Ave. Edmonton, AB, T5L 2M7
02020000	NAPA D.C. Calgary 5530 - 3rd Street S.E. Calgary, AB, T2H 1J9
02060000	NAPA D.C. Kelowna 1901 Windsor Rd. Kelowna, BC, V1Y 4R6
03050000	NAPA D.C. Vancouver 9325 200 th St, Unit 100 Langley, BC, V1M 3A7
05340000	NAPA D.C. Winnipeg 1777 Ellice Avenue Winnipeg, MA, R3H 0B4

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

TW DC LISTING

Entity Number N104 qual ST	Name and Address
01240000	TW Distribution Centre – Western Region 18532 116th Avenue Edmonton, AB, T5S 2W8
02800000	TW Distribution Centre – Eastern Region 2500, rue de la Metropole Longueuil, QC, J4G 1E6
02830000	TW Distribution Centre – Central Region 6885 Menway Court Mississauga, ON, L5S 1W2

Implementation guide - Advanced Shipment Notice

(Electronic document 856 ANSI X.12)

SAMPLE OF AN EDI INTERCHANGE FOR ADVANCED SHIP NOTICE

ISA|00| |00| |01|123456789 |01|202362737
|040518|0810|U|00401|000000001|0|P|>~
GS|SH|123456789|202362737|20040518|0810|10001|X|004010~
ST|856|0001~
BSN|00|84938727103|20040514|1132|~
HL|1||S~
TD1|CTN90|100|||G|15500|KG~
TD5|||M|YELLOW~
TD3|TL||123456~
REF|BM|20051515~
PER|SH|John Doe|TE|514-555-1234|||987654~
DTM|002|20040518|1400|LT~
DTM|011|20040818|1200|LT~
DTM|017|20040818|1300|LT~
FOB|CC|ZZ|CUSTOMER LOCATION~
N1|SF|KNIGHT REBUILDING|92|011200~
N1|ST|NAPA MONTREAL DISTRIBUTION CENTRE|92|00520000~
N1|SH|KNIGHT REBUILDING DCA|92|90901~
HL|2|1|T~
MAN|GM|0000119575241945023~
PAL|||||||||||||3~
HL|3|2|O~
PRF|0050-44533|||970607~
REF|PK|12345678~
N1|MA|NAPA SOREL|92|00520008~
HL|4|3|I~
LIN|101|VP|P88042|PI|PR88042|ZZ|UAP|UK|07170918274813~
SN1||10|EA||||AC~
HL|5|3|I~
LIN|102|VP|P88043|PI|PR88043|ZZ|UAP|UK|07170918274912~
SN1||10|EA||||AC~
CTT|2~
SE|30|000000001~
GE|1|1~
IEA|1|000000001~

Note: Bold segments are mandatory segments.