Noma Advance Ship Notice (X12 004010 856)

Revision 1.0
April 21, 2005

Created By:
iConnect, Inc.

Revision History

Revision	Date	Description
1.0	4/21/2005	Created.

Header Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
010	ST	Transaction Set Header	M	1	
020	BSN	Beginning Segment for Advance Ship Notice	M	1	
030	DTM	Date/Time	M	1	
040 - 100		HL LOOP	M	1	100
040	HL	Hierarchical Level (Shipment)	M	1	
050	MEA	Measurements	M	2	
060	TD1	Carrier Details (Quantity and Weight)	M	20	
070	TD5	Carrier Details (Routing Sequence and Transit Time	M	12	
080	TD3	Carrier Details (Equipment)	M	5	
090	REF	Reference Number	M	4	
100 - 100		N1 LOOP	M	2	100
100	N1	Name	M	1	

Detail Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
110 - 150		HL LOOP	M	100000	150
110	HL	Hierarchical Level (Item)	M	1	
120	LIN	Item Identification	M	1	
130	SN1	Item Shipment Detail	M	1	
140	PRF	Purchase Order Reference	M	1	
150	CLD	Load Detail	M	4	

Summary Section:

Pos	Code	Name	Req.	Max. Use	Loop End Pos.
160	CTT	Transaction Totals	M	1	
170	SE	Transaction Set Trailer	M	1	

Segment:	**ST – Transaction Set Header**
Position:	010
Loop Ending Position:	
Section:	Header
Usage:	Mandatory
Max Use:	1
Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
ST01	0143	Transaction Set Identifier Code	M	ID	3 / 3	
ST02	0329	Transaction Set Control Number	M	AN	4 / 9	

Segment: **BSN – Beginning Segment for Advance Ship Notice**
Position: 020
Loop Ending Position:
Section: Header
Usage: Mandatory
Max Use: 1
Notes: BSN01 must always contain '00'.

Pos	Code	Name	Req.	Type	Length	Comments
BSN01	0353	Transaction Set Purpose Code	M	ID	2 / 2	'00' = Original
BSN02	0396	Shipment Identification	M	ID	2 / 30	Unique number not repeated within one year.
BSN03	0373	Ship Notice Date	M	DT	6 / 6	YYMMDD format.
BSN04	0337	Ship Notice Time	M	TM	4 / 4	HHMM format.
BSN05	1005	Hierarchical Structure Code	X			Not Used
BSN06	0640	Transaction Type Code	X			Not Used
BSN07	0641	Status Reason Code	X			Not Used

	Segment:	**DTM – Date/Time**
	Position:	030
Loop Ending Position:		
	Section:	Header
	Usage:	Mandatory
	Max Use:	1
	Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
DTM01	0374	Date/Time Qualifier	M	ID	3 / 3	'011' Ship Date
DTM02	0373	Date	M	DT	6 / 6	
DTM03	0337	Time	O	TM	4 / 4	
DTM04	0623	Time Code	X			Not Used
DTM06	1250	Date Time Period Format Qualifier	X			Not Used
DTM07	1251	Date Time Period	X			Not Used

		Segment:	**HL– Hierarchical Level (Shipment)**
		Position:	040
	Loop Ending Position:		100
		Section:	Header
		Usage:	Mandatory
		Max Use:	1
		Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID number	M	AN	1 /12	One for the initial 'HL' segment and is incremented by one for each subsequent 'HL' in the transaction.
HL02	0734	Hierarchical parent ID number	O	AN	1 / 12	Required except for shipment level.
HL03	0735	Hierarchical Level Code	M	ID	1 / 2	'S' = Shipment
HL04	0736	Hierarchical Child Code	X			Not Used

Segment: MEA – Measurements
Position: 050
Loop Ending Position:
Section: Header
Usage: Mandatory
Max Use: 2
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
MEA01	0737	Measurement Reference ID Code	M	ID	2 / 2	'PD' = Physical Dimensions
MEA02	0738	Measurement Qualifier	M	ID	1 / 3	'G' = Gross Weight 'N' = Net Weight
MEA03	0739	Measurement Value	M	R	1 / 10	Weight
MEA04	0355	Unit or Basis for Measurement Code	M	ID	2 / 2	'LB' = Pound 'KG' = Kilogram
MEA05	0740	Range Minimum	X			Not Used
MEA06	0741	Range Maximum	X			Not Used
MEA07	0935	Measurement Significance Code	X			Not Used
MEA08	0936	Measurement Attribute Code	X			Not Used
MEA09	0752	Surface/Layer/Position Code	X			Not Used
MEA10	1373	Measurement Method or Device	X			Not Used

Segment:	**TD1 – Carrier Details (Quantity and Weight)**					
Position:	060					
Loop Ending Position:						
Section:	Header					
Usage:	Mandatory					
Max Use:	20					
Notes:						

Pos	Code	Name	Req.	Type	Length	Comments
TD101	0103	Packaging Code	R	ID	5 / 5	
TD102	0080	Lading Quantity	M	N	1 / 7	Number of packages in TD101.
TD103	0023	Commodity Code Qualifier	X			Not Used
TD104	0022	Commodity Code	X			Not Used
TD105	0079	Lading Description	X			Not Used
TD106	0187	Weight Qualifier	X			Not Used
TD107	0081	Weight	X			Not Used
TD108	0355	Unit or Basis for Measurement Code	X			Not Used
TD109	0183	Volume	X			Not Used
TD110	0355	Unit or Basis for Measurement Code	X			Not Used

Segment:	**TD5 – Carrier Details (Routing Sequence / Transportation)**
Position:	070
Loop Ending Position:	
Section:	Header
Usage:	Mandatory
Max Use:	12
Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
TD501	0133	Routing Sequence Code	M	ID	1 / 2	'B' = Origin
TD502	0066	Identification Code Qualifier	M	ID	1 / 2	'02' = SCAC Code
TD503	0067	Identification Code	M	AN	2 / 12	SCAC Code
TD504	0091	Transportation Method/Type Code	M	ID	1 / 2	'M' = Motor
						'A' = Air
						'TN' = Common Carrier
						'R' = Rail
						'VE' = Vessel
TD505	0387	Routing	X			Not Used
TD506	0368	Shipment/Order Status Code	X			Not Used
TD507	0309	Location Qualifier	X			Not Used
TD508	0310	Location Identifier	X			Not Used
TD509	0731	Transit Direction Code	X			Not Used
TD510	0732	Transit Time Direction Qualifier	X			Not Used
TD511	0733	Transit Time	X			Not Used
TD512	0284	Service Level Code	X			Not Used
TD513	0284	Service Level Code	X			Not Used
TD514	0284	Service Level Code	X			Not Used
TD515	0026	Country Code	X			Not Used

                           Segment: **TD3 – Carrier Details (Equipment)**
                           Position: 080
      Loop Ending Position:
                           Section: Header
                           Usage: Mandatory
                         Max Use: 5
                           Notes:

Pos	Code	Name	Req.	Type	Length	Comments
TD301	0040	Equipment Description Code	M	ID	2 / 2	
TD302	0206	Equipment Initial	X			Not Used
TD303	0207	Equipment Number	M	AN	1 / 7	Trailer number
TD304	0187	Weight Qualifier	X			Not Used
TD305	0081	Weight	X			Not Used
TD306	0355	Unit or Basis of Measurement Code	X			Not Used
TD307	0102	Ownership Code	X			Not Used
TD308	0407	Seal Status Code	X			Not Used
TD309	0225	Seal Number	X			Not Used
TD310	0024	Equipment Type	X			Not Used

	Segment:	**REF – Reference Number**
	Position:	090
Loop Ending Position:		
	Section:	Header
	Usage:	Mandatory
	Max Use:	4
	Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
REF01	0128	Reference Number Qualifier	M	ID	2 / 2	'CN' = Carrier PRO number 'BM' = Bill of Lading 'PK' = Packing Slip 'AW' = Air Bill
REF02	0127	Reference Number	M	AN	1 / 30	
REF03	0352	Description	X			Not Used

Segment:	**N1 – Name**				
Position:	100				
Loop Ending Position:	100				
Section:	Header				
Usage:	Mandatory				
Max Use:	2				
Notes:					

Pos	Code	Name	Req.	Type	Length	Comments
N101	0098	Entity Identifier Code	M	ID	2 / 3	'SU' = Supplier
						'ST' = Ship To
N102	0093	Name	O	AN	1 / 35	
N103	0066	Identification Code Qualifier	O	ID	1 / 2	'92' = Buyer Assigned
						Mandatory if N101 = 'ST'.
N104	0067	Identification Code	O	AN	2 / 17	See note below for values.
						Mandatory if N101 = 'ST'.
N105	0706	Entity Relationship Code	X			Not Used
N106	0098	Entity Identifier Code	X			Not Used

Note:
The following are valid Ship To location codes:

RKFD01	Rockford Foundry, 302 Peoples Avenue, Rockford, IL
ELK01	Manufacturing Plant I, 801 County Road 15, Elkhart, IN
ELK02	Manufacturing Plant II, 54722 County Road 15, Elkhart, IN

		Segment:	**HL– Hierarchical Level (Item)**
		Position:	110
	Loop Ending Position:		150
		Section:	Detail
		Usage:	Mandatory
		Max Use:	1
		Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
HL01	0628	Hierarchical ID number	M	AN	1 /12	One for the initial 'HL' segment and is incremented by one for each subsequent 'HL' in the transaction.
HL02	0734	Hierarchical parent ID number	O	AN	1 / 12	Required except for shipment level.
HL03	0735	Hierarchical Level Code	M	ID	1 / 2	'I' = Item
HL04	0736	Hierarchical Child Code	X			Not Used

Segment: **LIN – Line Identification**
Position: 120
Loop Ending Position:
Section: Detail
Usage: Mandatory
Max Use: 1
Notes:

Pos	Code	Name	Req.	Type	Length	Comments
LIN01	0350	Assigned Identification	M	AN	1 / 6	
LIN02	0235	Product/Service ID Qualifier	M	ID	2 / 2	'BP' = Noma Part Number
LIN03	0234	Product/Service ID	M	AN	1 / 30	Noma Part Number
LIN04	0235	Product/Service ID Qualifier	C	ID	2 / 2	'VP' = Company Part Number Mandatory if LIN05 is used.
LIN05	0234	Product/Service ID	O	AN	1 / 30	Company Part Number

Note:
LIN02 – LIN03 through LIN30 – LIN31 are identical pairs of Product/Service ID Qualifiers and Product/Service ID.

Segment:	**SN1 – Item Shipment Detail**	
Position:	130	
Loop Ending Position:		
Section:	Detail	
Usage:	Mandatory	
Max Use:	1	
Notes:		

Pos	Code	Name	Req.	Type	Length	Comments
SN101	0350	Item Description Type	O	AN	1 / 6	ASN Line Number
SN102	0382	Number of Units Shipped	M	R	1 / 9	
SN103	0355	Unit or Basis for Measurement Code	M	ID	2 / 2	
SN104	0646	Quantity Shipped to Date	X			Not Used
SN105	0330	Quantity Ordered	X			Not Used
SN106	0355	Unit or Basis for Measurement Code	X			Not Used
SN107	0728	Returnable Container Load Make-Up Code	X			Not Used
SN108	0668	Line Item Status Code	X			Not Used

	Segment:	**PRF – Purchase Order Reference**
	Position:	140
Loop Ending Position:		
	Section:	Detail
	Usage:	Mandatory
	Max Use:	10
	Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
PRF01	0324	Purchase Order Number	M	AN	1 / 22	
PRF02	0328	Release Number	X			Not Used
PRF03	0327	Change Order Sequence Number	X			Not Used
PRF04	0337	Purchase Order Date	O	DT	6 / 6	YYMMDD format.
PRF05	0350	Assigned Identification	M	AN	1 / 6	PO Line Number
PRF06	0367	Contract Number	X			Not Used
PRF07	0092	Purchase Order Type Code	X			Not Used

	Segment:	CLD – Load Detail
	Position:	150
Loop Ending Position:		
	Section:	Detail
	Usage:	Mandatory
	Max Use:	4
	Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
CLD01	0622	Number of Loads	M	N	1 / 5	
CLD02	0382	Number of Units Per Load	M	R	1 / 10	
CLD03	0103	Packaging Code	M	ID	5 / 5	
CLD04	0357	Size	X			Not Used
CLD05	0355	Unit or Basis for Measurement Code	X			Not Used

		Segment:	**CTT – Transaction Totals**
		Position:	160
	Loop Ending Position:		
		Section:	Summary/Trailer
		Usage:	Mandatory
		Max Use:	1
		Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
CTT01	0354	Number of Line Items	M	N	1 / 6	Count of HL segments
CTT02	0347	Hash Total	M	N	1 / 10	Total quantity of all SN102 elements.
CTT03	0081	Weight	X			Not Used
CTT04	0355	Unit of Measurement Code	X			Not Used
CTT05	0183	Volume	X			Not Used
CTT06	0355	Unit of Measurement Code	X			Not Used
CTT07	0352	Description	X			Not Used

Segment:	**SE – Transaction Set Trailer**
Position:	170
Loop Ending Position:	
Section:	Header
Usage:	Mandatory
Max Use:	1
Notes:	

Pos	Code	Name	Req.	Type	Length	Comments
SE01	0096	Number of Included Segments	M	N0	1 / 10	
SE02	0329	Transaction Set Control Number	M	AN	4 / 9	Same as ST02