

856 Boise Cascade Corporation

Advanced Ship Notice

Version 4010

Functional Group ID=**SH**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Advanced Ship Notice Transaction Set (856) for use within the context of an Electronic Data Interchange (EDI) environment.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	010	ST	Transaction Set Header	M	1		
M	100	BSN	Beginning Segment for Manifest/Advanced Ship Notice	M	1		
M	120	HL	Hierarchical Level – S	M	1		
O	130	TD5	Carrier Details (Routing)	O	1		
O	140	TD3	Carrier Details (Equipment)	O	1		
O	150	REF	Reference Identification	O	2		n1
O	200	DTM	Date/Time Reference	O	1		
LOOP ID – L01						2	
O	210	N1	Name	O	1		n2

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
LOOP ID – L02						2000	
M	300	HL	Hierarchical Level – O	M	1		
O	301	PRF	Purchase Order Reference	O	1		
LOOP – L03						2000	
M	303	HL	Hierarchical Level – T	M	1		
O	305	LIN	Item Identification	O	1		
O	306	REF	Reference Identification	O	1		
O	307	MEA	Measurements	O	1		n3
LOOP ID – L04						2000	
M	309	HL	Hierarchical Level – I	M	1		
O	320	LIN	Item Identification	O	1		
O	330	MEA	Measurements	O	4		n4

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max. Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
M	560	CTT	Transaction Totals	M	1		
M	900	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. Identifies Manifest number, Customer Bill of Lading number.
2. Identifies Ship-to name and Ship-from name.
3. Identifies Basis weight.
4. Identifies Diameter, Width, length and Gross weight.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Syntax Notes:
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 856 selects the Shipping Manifest Transaction Set).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set 856 Advanced Ship Notice	M ID 3/3
M	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BSN** Beginning Segment for Advanced Ship Notice
Position: 100
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To allow for positive identification of transaction set purpose
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	BSN01	353	Transaction Set Purpose Code Code identifying purpose of transaction set 00 Original 01 Cancellation 05 Replace	M ID 2/2
	BSN02	396	Shipment Identification Bill of Lading Vehicle Number	M AN 2/30
	BSN03	373	Date Ship date CCYYMMDD	M SF 8/8
	BSN04	337	Time Ship time HHMM	M T8 4/8

Segment: **HL** Hierarchical Level
Position: 120
Loop:
Level: Heading
Usage: Mandatory
Max Use: 1
Purpose: To specify Shipment Level
Syntax Notes: Each order will be represented by one 856
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical Identification Accumulator	M AN 1/12
	HL03	735	Hierarchical Level 'S' for Shipment level	M ID 1/2

Segment: **TD5** Carrier details (equipment)
Position: 130
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To uniquely identify the carrier of this shipment
Syntax Notes:
Semantic Notes: 1 TD501 provides routing sequence.
 2 TD505 identifies a description of the route.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	TD501	466	Routing sequence Code identifying the sequence	O ID 1/2
	TD505	387	Routing description Description of the route.	O AN 1/35

Segment: **TD3** Carrier details
Position: 140
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To identify the carrier details
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	TD301	40	Equipment Description Code identifying the type of carrier RR Rail car TL Trailer (not otherwise specified)	O ID 2/2
	TD302	206	Equipment Initials Delivery car standard code	O AN 1/4
	TD303	207	Equipment number Bill of Lading Vehicle number	O AN 1/10

Segment: **REF** Reference Identification
Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the reference numbers associated with this load
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	REF01	128	Reference Identification code Number assigned for differentiation within a transaction set MA	O AN 2/3
	REF02	127	Reference Identification Bill of Lading Reference number or Vehicle Identification	O AN 1/30

Segment: **REF** Reference Identification
Position: 160
Loop:
Level: Heading
Usage: Optional
Max Use: 1
Purpose: To specify the reference numbers associated with this load
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	REF01	128	Reference Identification code Number assigned for differentiation within a transaction set BM	O AN 2/3
	REF02	127	Reference Identification Customer Bill of Lading Number	O AN 1/30

Segment: **DTM** Date/Time Reference
Position: 200
Loop:
Level: Header
Usage: Optional
Max Use: 1
Purpose: To specify pertinent dates and times
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Name	Attributes
	<u>Des.</u>	<u>Element</u>		
M	DTM01	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 011 Ship Date	M ID 3/3
	DTM02	373	Date Ship Date expressed as CCYYMMDD	M DT 8/8
	DTM03	337	Time 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)	O T8 4/8

Segment: N1 Name
Position: 210
Loop: L01 Mandatory
Level: Header
Usage: Optional
Max Use: 1
Purpose: To specify ship to and sold to names
Syntax Notes: 1 If DTM04 is present, then DTM03 is required.

Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	N101	98	Entity Identifier Code specifying type of name information SF Ship from ST Ship to	M AN 3/3
	N103	66	Identification code Code specifying type of name information 91 Code assigned by seller or buyer	C ID 1/2
	N104	67	Identification code Location code identified by the Customer	C AN 2/80

Segment: **HL** Hierarchical Level
Position: 300
Loop: L02 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify Order Level
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical Identification Accumulator	M AN 1/12
	HL02	735	Hierarchical Par Higher Hierarchical level that this level is under	O AN 1/12
	HL03	735	Hierarchical Level 'O' for Order level	M ID 1/2

Segment: **PRF** Purchase Order Reference
Position: 301
Loop: L02 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify Customer's Purchase Order
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	PRF01	324	Purchase Order Number Customer's Purchase Order number if available. If not available, we will supply our order number.	M AN 1/22

Segment: **HL** Hierarchical Level
Position: 303
Loop: L03 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify Shipping Tare level
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	HL01	628 Hierarchical Identification Accumulator	M AN 1/12
	HL02	735 Hierarchical Par Higher Hierarchical level that this level is under	O AN 1/12
	HL03	735 Hierarchical Level 'T' for Shipping Tare level	M ID 1/2

Segment: **LIN** Item Identification
Position: 305
Loop: L03 Manatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify Line Item details
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	LIN01	350	Assigned Identification Code of '1' or Sales Grade 1	O AN 1/20
	LIN02	235	Product/Service Identification code SK Stock Keeping unit (SKU) GC Grade Code	O ID 2/2
	LIN03	234	Product/Service Sales Grade or Customer Product Code	O AN 1/48

Segment: **REF** Reference Identification
Position: 306
Loop: L03 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify the reference numbers associated with sales grade
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	REF01	128	Reference Identification code Number assigned for differentiation within a transaction set IX	O AN 2/3
	REF02	127	Reference Identification Sales grade name	O AN 1/30

Segment: MEA Measurements
Position: 307
Loop: L03 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify basis weight
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
O	MEA01	737	Measurement reference code Code specifying type of measurement WT Weights	O ID 2/2
	MEA02	738	Measurement Qualifier Code specifying type of weight PH Pulse setup time	O ID 1/3
	MEA03	739	Measurement value Basis weight	C R 1/18
	MEA04	355	Unit or Basis for measurement Unit of measure LB Pound	O ID 2/2
	MEA19	740	Range Minimum Basis Weight	O R 1/18

Segment: **HL** Hierarchical Level
Position: 309
Loop: L04 Mandatory
Level: Detail
Usage: Mandatory
Max Use: 1
Purpose: To specify Item level information
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	HL01	628	Hierarchical Identification Accumulator	M AN 1/12
	HL02	735	Hierarchical Par Higher Hierarchical level that this level is under	O AN 1/12
	HL03	735	Hierarchical Level 'I' for Item level	M ID 1/2

Segment: **LIN** Item Identification
Position: 320
Loop: L04 Manatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To identify Line Item details
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	LIN02	235	Product/Service Identification code SN Serial Number	O ID 2/2
	LIN03	234	Product/Service Product Package ID	O AN 1/48

Segment: MEA **Measurements**
Position: 330
Loop: L04 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify diameter
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	MEA01	737	Measurement reference code Code specifying type of measurement PD Physical Dimensions	O ID 2/2
	MEA02	738	Measurement Qualifier Code specifying type of weight DI Diameter	O ID 1/3
	MEA03	739	Measurement value Diameter in metric or imperial	C R 1/18
	MEA04	355	Unit or Basis for measurement Unit of measure IN Inch MM Millimeter	O ID 2/2
	MEA19	740	Range Minimum Diameter in metric or imperial	O R 1/18

Segment: MEA Measurements
Position: 331
Loop: L04 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify Width
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	MEA01	737	Measurement reference code Code specifying type of measurement PD Physical Dimensions	O ID 2/2
	MEA02	738	Measurement Qualifier Code specifying type measurement WD Width	O ID 1/3
	MEA03	739	Measurement value Width in metric or imperial	C R 1/18
	MEA04	355	Unit or Basis for measurement Unit of measure IN Inches MM Millimeter	O ID 2/2
	MEA19	740	Range Minimum Width in metric or imperial	O R 1/18

Segment: **MEA** **Measurements**
Position: 332
Loop: L04 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify length
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	MEA01	737	Measurement reference code Code specifying type of measurement PD Physical Dimensions	O ID 2/2
	MEA02	738	Measurement Qualifier Code specifying type of weight LN Length	O ID 1/3
	MEA03	739	Measurement value Length in metric or imperial	C R 1/18
	MEA04	355	Unit or Basis for measurement Unit of measure FT Foot	O ID 2/2
	MEA19	740	Range Minimum Length in metric or imperial	O R 1/18

Segment: MEA Measurements
Position: 333
Loop: L04 Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify Gross weight
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
O	MEA01	737	Measurement reference code Code specifying type of measurement PD Physical Dimensions	O ID 2/2
	MEA02	738	Measurement Qualifier Code specifying type of weight GW Gross Weight	O ID 1/3
	MEA03	739	Measurement value Gross weight in metric or imperial	C R 1/18
	MEA04	355	Unit or Basis for measurement Unit of measure LB Pound KG Kilogram	O ID 2/2
	MEA19	740	Range Minimum Gross Weight in metric or imperial	O R 1/18

Segment: CTT **Transaction Totals**
Position: 560
Loop:
Level: Summary
Usage: Optional
Max Use: 1
Purpose: To specify Transaction totals
Syntax Notes:
Semantic Notes:
Comments:

Data Element Summary

	Ref.	Data		
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
O	CTT01	354	Number of Lines Number of lines in this transaction	M N0 1/6

Segment: **SE** Transaction Set Trailer
Position: 999
Loop:
Level: Summary
Usage: Mandatory
Max Use: 1
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)

Syntax Notes:

Semantic Notes:

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

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
M	SE01	96	Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
M	SE02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9