



EDI Implementation Guide

February 2011

TRANSACTION SET

856

Advanced Ship Notice

ANSI X.12

Version 004010

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Usage Convention

A Ship Notice/Manifest transaction set (856), also known as an Advance Ship Notice (ASN), lists the contents of a shipment of goods as well as additional information relating to the shipment. The information enables a more timely, accurate, and efficient business process in support of our Just-In-Time (JIT) manufacturing strategy. **The H-D standard is highlighted when it differs from the ANSI standard.** These standards consider the AIAG guidelines.

When H-D receives the ASN, the Scheduler Issuer (N1 SI) and the Ship To Location (N1 ST) segments are read to determine the plant and location within the Harley-Davidson Corporation that the ASN applies to. For a list of valid codes refer to Appendix A “Plant / Ship To Locations Codes”.

The ASN number (BSN02 segment) used in this transaction must correspond to the number assigned to the packing list and invoices. This is the “license plate” that ties these documents together to ensure timely payment to suppliers.

This electronic transaction set should be sent within established time frames. Preference is that when the purchased material leaves the shippers dock this document would be sent. The established time frames are as followed:

- Local or same day delivery –sent immediately when material is shipped from supplier dock.
- Transit time of one day – within 30 minutes of shipment departure.
- Transit time of two or more days – within 2 hours of shipment departure.

The timelines of the information about in-transit materials becomes more important as inventories are reduced to achieve Just-In-Time (JIT) goals. Any deviation from these required times must be approved in advance by the appropriate buyer.

Each shipment must be accompanied by a separate ASN. Therefore, the HL at the shipment level will always be 1.

ANSI X.12 Version

H-D will only accept ANSI X.12, Version 004010. No other versions of the ANSI X.12 will be accepted.

H-D EDI Qualifier and ID

The following Interchange ID and Qualifier must be set up so that H-D will receive the Advanced Ship Notice transaction set from the supplier.

Interchange ID Qualifier (ISA07):	01
Interchange Receiver ID (ISA08):	062629324
Application Sender's Code (GS03):	062629324

Attributes

Data Element Table

The values in this table may appear in the Attributes Req column in the standard.

Abbreviation	Name	Description
M	Mandatory	Data element must be used if the segment is used.
O	Optional	Data element may be used at the discretion of the sending party.
X	Relational	Data element has a relationship with another data element within the segment. If one data element is used, then the other data element must also be used.

Element Type Table

The values in this table may appear in the Attributes Type column in the following standard.

Abbreviation	Name	Description
ID	Identifier	The value that is placed in this element is selected from a predefined list that is created and maintained by the ASC X12 Committee.
AN	String	A sequence of any letters, digits, spaces, and/or special characters
DT	Date	CCYYMMDD
TM	Time	HHMMSSDD in a 24 hour clock
Nn	Numeric	The numeric value is an implied decimal format where “n” indicates the number of places to the right of the decimal point. The decimal point is not transmitted. For negative values, a leading minus sign is used. For example: N2 is the value of -12.54 and it will be transmitted as “-1254”.
R	Decimal	The decimal point of a numeric value is optional for integer values, but required for fractional values. For negative values, a leading minus sign is used. For example: A format of R for the value of -12.54 will be transmitted as “-12.54”.

Minimum / Maximum

The following standard will display values in the Attributes Min/Max column. The value before the slash (/) represents the minimum characters for the data element. The value after the slash (/) represents the maximum characters for the data element. For example:

- 2/2 represents a fixed length of 2 characters
- 4/9 represents a minimum length of 4 characters and a maximum length of 9

The following standard documents the H-D attributes as well as the ANSI X12 attributes. In order to successfully receive this document, the receiver's EDI system must be set up to receive the H-D attributes

856 Advanced Ship Notice

Functional Group ID = **SH**

DATA SEGMENT SEQUENCE

Interchange Envelope

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
ISA	Interchange Control Header	Mandatory	1	

Functional Group Envelope

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
GS	Functional Group Header	Mandatory	1	

Header

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
ST	Transaction Set Header	Mandatory	1	
BSN	Beginning Segment for Ship Notice	Mandatory	1	
DTM	Date/Time Reference	Mandatory	1	
HL	Hierarchical Level	Mandatory	1	
MEA	Measurement		1	
TD1	Carrier Detail	Mandatory	20	
TD5	Carrier Details	Mandatory	1	
REF	Reference Identification – Freight Reference Number	Mandatory	>1	
N1	Name – Shipping Schedule / Material Release Issuer	Mandatory	1	
N1	Name – Ship To Location	Mandatory	1	
N1	Name – Supplier / Manufacturer	Mandatory	1	
REF	Reference Identification – Dock	Mandatory	1	
SAC	Service, Allowance, or Charge Information	Optional	1	

Detail

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
Loop ID – HL				Multiple Times
HL	Hierarchical Level	Mandatory	1	
LIN	Item Identification	Mandatory	1	
SN1	Item Detail	Mandatory	1	
REF	Reference Identification – Line Feed	Relational	1	
REF	Reference Identification – Packing List	Optional	1	
REF	Reference Identification – Release ID	Mandatory	1	
CLD	Load Detail	Mandatory	>1	
REF	Reference Identification – Container Serial Number	Optional	1	
End of Loop ID – HL				

Summary

Seg ID.	Name	Req. Des.	Max Usage Segment	Loop Repeat
CTT	Transaction Total	Mandatory	1	
AMT	Monetary Amount	Mandatory	1	
SE	Transaction Set Trailer	Mandatory	1	

Functional Group Envelope

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
GE	Functional Group Trailer	Mandatory	1	

Interchange Envelope

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
IEA	Interchange Control Trailer	Mandatory	1	

Segment: ISA Interchange Control Header
Level: Interchange Envelope

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
ISA01	101	Authorization Information Qualifier	H-D:	M	ID 2/2
		Field Content:	X12:	M	ID 2/2
		<u>Code</u> <u>Name</u>			
		00 No Authorization Information Present			
ISA02	102	Authorization Information	HD:	M	AN 10/10
		Field Content: Fill with blank spaces	X12:	M	AN 10/10
ISA03	103	Security Information Qualifier	HD:	M	ID 2/2
		Field Content:	X12:	M	ID 2/2
		<u>Code</u> <u>Name</u>			
		00 No Authorization Information Present			
ISA04	104	Security Information	HD:	M	AN 10/110
		Field Content: Fill with 10 blank spaces	X12:	M	AN 10/110
ISA05	105	Interchange ID Qualifier	HD:	M	ID 2/2
		Field Content: 01	X12:	M	ID 2/2
ISA06	106	Interchange Sender ID	HD:	M	AN 15/15
		Field Content: 062629324 plus blank spaces	X12:	M	AN 15/15
ISA07	105	Interchange ID Qualifier	HD:	M	ID 2/2
		Field Content: Supplier's ID Qualifier	X12:	M	ID 2/2
ISA08	107	Interchange Receiver ID	HD:	M	AN 15/15
		Field Content: Supplier's EDI ID	X12:	M	AN 15/15
ISA09	108	Interchange Date	HD:	M	DT 6/6
		Field Content: YYMMDD	X12:	M	DT 6/6
ISA10	109	Interchange Time	HD:	M	TM 4/4
		Field Content: HHMM	X12:	M	TM 4/4
ISA11	165	Repetition Separator	HD:	M	ID 1/1
		Field Content: U	X12:	M	ID 1/1
		Also known as Hex E4			
ISA12	I11	Interchange Control Version Number	HD:	M	ID 5/5
		Field Content: 00401	X12:	M	ID 5/5
ISA13	I12	Interchange Control Number	HD:	M	N0 9/99
		Field Content: A control number assigned by the H-D translator, which matches to the IEA02	X12:	M	N0 9/99
ISA14	I13	Acknowledgment Requested	HD:	M	ID 1/1
		Field Content:	X12:	M	ID 1/1
		<u>Code</u> <u>Name</u>			
		0 No Acknowledgment Requested			

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
ISA15	I14	Usage Indicator	HD:	M	ID	1/1
		Field Content:	X12:	M	ID	1/1
		<u>Code</u> <u>Name</u>				
		P Production Data				
ISA16	I15	Component Element Separator	HD:	M	ID	1/1
		Field Content: >	X12:	M	ID	1/1

Segment: GS Functional Group Header
Level: Functional Envelope

Data Element Summary

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
GS01	479	Functional Identifier Code	HD:	M	ID	2/2
		Field Content:	X12:	M	ID	2/2
		<u>Code</u> <u>Name</u>				
		SH Advanced Ship Notice				
GS02	142	Application Sender's Code	HD:	M	AN	2/15
		Field Content: 062629324	X12:	M	AN	2/15
GS03	124	Application Receiver's Code	HD:	M	AN	2/15
		Field Content: Supplier's EDI ID	X12:	M	AN	2/15
GS04	373	Date	HD:	M	DT	8/8
		Field Content: CCYYMMDD	X12:	M	DT	8/8
GS05	337	Time	HD:	M	TM	4/8
		Field Content: 24-hour clock, HHMM	X12:	M	TM	4/8
GS06	28	Group Control Number	HD:	M	N0	1/9
		Field Content: A group control number assigned by the H-D translator, which matches to the GE02	X12:	M	N0	1/9
GS07	455	Responsible Agency Code	HD:	M	ID	1/2
		Field Content:	X12:	M	ID	1/2
		<u>Code</u> <u>Name</u>				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code	HD:	M	AN	1/12
		Field Content: 00401	X12:	M	AN	1/12

Segment: ST Transaction Set Header
Level: Header

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
ST01	143	Transaction Set Identifier Code Field Content: 856	H-D: M X12: M	ID ID	3/3 3/3
ST02	329	Transaction Set Control Number Field Content: Identifying control number assigned by the H-D translator for the 850. This value must match the value in the SE02.	H-D: M X12: M	AN AN	4/9 4/9

Segment: BSN Beginning Segment for Ship Notice
Level: Header

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
BSN01	353	Transaction Set Purpose Code Field Content: One of the following codes: Code Name 00 Original shipping notice 05 Replacement of the original ship notice	H-D: M X12: M	ID ID	2/2 2/2
BSN02	396	Shipment Identification Field Content: ASN Number / Shipment ID assigned by sender. This value can not be repeated within 24 months. Note: ASNs to Supplier Direct (N1 SI 04 equals 4143434553) must have an ASN number equal to the picklist being shipped against. The ASN's BSN 02 must equal the value in the 862's BSS 02.	H-D: M X12: M	AN AN	1/8 2/30
BSN03	373	Date Created Field Content: CCYYMMDD	H-D: M X12: M	DT DT	8/8 8/8
BSN04	337	Time Created Field Content: HHMM	H-D: M X12: M	TM TM	4/4 4/8

Segment: DTM Date / Time Reference
Level: Header

Data Element Summary

Ref	Data	Attributes
Des.	Element	Req Type Min/Max
DTM01	374 Date/Time Qualifier Field Content: 011 (Date / Time of Shipment)	H-D: M ID 3/3 X12: M ID 3/3
DTM02	373 Date Shipped Field Content: CCYYMMDD	H-D: M DT 8/8 X12: X DT 8/8
DTM03	337 Time Shipped Field Content: HHMM	H-D: M TM 4/4 X12: X TM 4/8

Segment: HL Hierarchical Level
Level: Header

Data Element Summary

Ref	Data	Attributes
Des.	Element	Req Type Min/Max
HL01	628 Hierarchical ID Number Field Content: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure. Use '1' at the shipment level. Each shipment must be accompanied by a separate ASN. Therefore, the HL will always be 1.	H-D: M AN 1/12 X12: M AN 1/12
HL03	735 Hierarchical Level Code Field Content: S (Shipment)	H-D: M ID 1/1 X12: M ID 1/2

Segment: MEA Measurement
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
MEA01	737	Measurement Ref. ID Code Field Content: PD (Physical Dimensions)	H-D: M X12: O	ID	2/2 2/2
MEA02	738	Measurement Qualifier Field Content: G (Gross Weight)	H-D: M X12: O	ID	1/2 1/3
MEA03	739	Measurement Value Field Content: Gross weight in whole number—no decimal.	H-D: M X12: X	R	1/6 1/20
MEA04	355	Unit of Measure Field Content: LB (Pounds)	H-D: M X12: X	ID	2/2 2/2

Segment: TD1 Carrier Details
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
TD101	103	Packaging Code Field Content: Packing Code, See Appendix B, H-D Packaging Codes	H-D: M X12: O	AN	3/5 3/5
TD102	80	Lading Quantity Field Content: Quantity of each packaging code	H-D: M X12: X	N0	1/7 1/7

Segment: TD5 Carrier Details
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
TD501	133	Routing Sequence Code Field Content: B (Origin / Delivery Carrier)	H-D: M X12: O	ID ID	1/1 1/2	
TD502	66	Identification Code Qualifier Field Content: One of the following codes: <u>Code</u> <u>Name</u> 2 SCAC ZZ Other Carrier	H-D: M X12: X	ID ID	1/2 1/2	
TD503	67	Identification Code Field Content: SCAC or code representing carrier. See Appendix C, H-D Standard Carrier Alpha Codes, for valid SCACs.	H-D: M X12: X	AN AN	2/40 2/80	
TD504	91	Transportation Method/Type Code Field Content: Any valid X12 data element 91 code specifying the method of transportation.	H-D: M X12: X	ID ID	1/2 1/2	

Segment: REF Reference Identification
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier Field Content: One of the following codes: <u>Code</u> <u>Name</u> CN Pro invoice number / Freight Invoice Number AW Airway invoice number	H-D: M X12: M	ID ID	2/2 2/3	
REF02	127	Reference Identification (Freight Reference) Field Content: Freight Reference Number. If the shipment is sent on the supplier's truck, enter ZZZZ.	H-D: M X12: X	AN AN	1/18 1/30	

Segment: N1 Name – Ship Schedule Issuer
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
N101	98	Entity Identifier Code Field Content: SI (Schedule Issuer)	H-D: M	ID	2/2
			X12: M	ID	2/3
N103	66	Identification Code Qualifier Field Content: One of the following codes:	H-D: M	ID	2/2
			X12: X	ID	1/2
		Code Name			
		1 DUNS code for H-D			
		92 Assigned by H-D			
N104	67	Identification Code Field Content: A specific code representing the plant that ordered the material (reference the 862, N1 SI 04 for this code). See Appendix A, Plant / Ship To Location, for valid codes.	H-D: M	AN	2/10
			X12: X	AN	2/80

Segment: N1 Name – Ship To Location
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
N101	98	Entity Identifier Code Field Content: ST (Ship To)	H-D: M	ID	2/2
			X12: M	ID	2/3
N103	66	Identification Code Qualifier Field Content: One of the following codes:	H-D: M	ID	1/2
			X12: X	ID	1/2
		Code Name			
		1 DUNS code for H-D			
		92 Assigned by H-D			
N104	67	Identification Code Field Content: A specific code representing the ship to location requiring the ordered material (reference the 862, N1 ST 04 for this code). See Appendix A, Plant / Ship To Location, for valid codes.	H-D: M	AN	2/10
			X12: X	AN	2/80

Segment: N1 Name – Supplier / Manufacturer

Level: Header

Data Element Summary

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
N101	98	Entity Identifier Code	H-D: M	ID	2/2	
		Field Content: SU (Supplier ID)	X12: M	ID	2/3	
N103	66	Identification Code Qualifier	H-D: M	ID	2/2	
		Field Content: 92 (Assigned by H-D)	X12: X	ID	1/2	
N104	67	H-D Supplier Code	H-D: M	AN	2/13	
		Field Content: H-D Supplier ID	X12: X	AN	2/80	

Segment: REF Reference Identification - Dock

Level: Header

Data Element Summary

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
REF01	128	Reference ID Qualifier	H-D: M	ID	2/2	
		Field Content: DK (Dock)	X12: X	AN	2/3	
REF02	127	Reference Identification	H-D: M	AN	1/3	
		Field Content: Dock Number	X12: X	AN	1/30	

Segment: SAC Service, Allowance, or Charge Information
Level: Header

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
SAC01	248	Allowance or Charge Indicator Field Content: C (Charge)	H-D: M X12: M	ID ID	1/1 1/1
SAC02	1300	Service, Allowance or Charge Code Field Content: One of the following codes: Code Name A880 Cancellation Charge C850 Expedited Service Charge D200 Freight Charge to Destination G470 Restocking Charge G760 Set-up Charge G830 Shipping & Handling ZZZZ Mutually Defined	H-D: M X12: X	ID ID	4/4 4/4
SAC05	610	Allowance or Charge Amount Field Content: Total dollar amount of the charge.	H-D: M X12: O	N2 N2	1/15 1/15

Segment: HL Hierarchical Level
Level: Detail

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
HL01	628	Hierarchical ID Number Field Content: A unique number assigned by the sender to identify a particular data segment in a hierarchical structure starting at 2 and going higher.	H-D: M X12: M	AN AN	1/12 1/12
HL02	734	Hierarchical Parent ID Number Field Content: Identification number of the next higher hierarchical data segment that the data segment being described is subordinate to.	H-D: M X12: O	AN AN	1/3 1/12
HL03	735	Hierarchical Level Code Field Content: I (Characteristic of a level in a hierarchical structure)	H-D: M X12: M	ID ID	1/1 1/2

Segment: LIN Item Identification
Level: Detail

Data Element Summary

Ref	Data		Attributes		
	Des.	Element	Element Name	Req	Type
LIN02	235	Product ID Qualifier	H-D: M	ID	2/2
		Field Content: BP (H-D Part Number)	X12: M	ID	2/2
LIN03	234	Product ID (H-D Part Number)	H-D: M	AN	1/18
		Field Content: H-D Part Number	X12: M	AN	1/48
LIN04	235	Product ID Qualifier	H-D: X	ID	2/2
		Field Content: DR (Drawing Revision)	X12: X	ID	2/2
LIN05	234	Product ID Level	H-D: X	AN	1/4
		Field Content: Drawing Revision Level	X12: X	AN	1/48
LIN06	235	Product ID Qualifier	H-D: M	ID	2/2
		Field Content: PO (H-D Purchase Order)	X12: X	ID	2/2
LIN07	234	Product ID (H-D Purchase Order Number)	H-D: M	AN	1/15
		Field Content: Field must contain one of the following:	X12: X	AN	1/48
		<ul style="list-style-type: none"> • H-D Purchase Order Number • If the N1 SI 04 = 4143434553, then this field must contain the 862 picklist number found in the 862's BSS02. 			

Segment: SN1 Item Detail
Level: Detail

Data Element Summary

Ref	Data		Attributes		
	Des.	Element	Element Name	Req	Type
SN102	382	Number of Units Shipped	H-D: M	R	1/10
		Field Content: Total quantity of part number being shipped	X12: M	R	1/10
SN103	355	Unit of Measure Code	H-D: M	ID	2/2
		Field Content: Unit of Measure	X12: M	ID	2/2
		See Appendix D, Unit of Measure, valid codes.			

Segment: REF **Reference Identification – Line Feed**
Level: Detail

Data Element Summary

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
REF01	128	Reference ID Qualifier		H-D: X	ID	2/2
			Field Content: LF (Line Feed)	X12: M	ID	2/3
REF02	127	Reference Identification		H-D: X	AN	1/30
			Field Content: Code representing the assembly line consuming location	X12: M	AN	1/30

Segment: REF **Reference Identification – Packing List**
Level: Detail

Data Element Summary

Ref	Data		Attributes			
	Des.	Element	Element Name	Req	Type	Min/Max
REF01	128	Reference Number Qualifier		H-D: X	ID	2/2
			Field Content: PK (Packing List)	X12: X	ID	2/2
REF02	127	Reference Number		H-D: X	AN	8/8
			Field Content: Packing List Number	X12: X	AN	1/30

Segment: REF Reference Identification – Release ID
Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier Field Content: RE (Release Number)	H-D: M X12: X	ID ID	2/2 2/3
REF02	127	Reference Identification Field Content: One of the following values should be entered: <ul style="list-style-type: none"> • If N1 SI 04 = a manufacturing location, then entered the Release ID from the 862, BSS 02 • If N1 SI 04 = 4143438416, then enter the PO Line Item Number from the 850, PO101 • If N1 SI 04 = 4143434553, then enter the picklist line item number from the 862, LIN01 • If ASN is responding to an MRO 850, then enter the PO Line Item Number from the 850, PO101 	H-D: M X12: X	AN AN	8/8 1/30

Segment: CLD Load Detail
Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
CLD01	622	Number of Load Field Content: Number of containers If the N1 SI 04 = 4143434553, then this segment is optional.	H-D: M X12: M	N0 N0	1/5 1/5
CLD02	382	Number of Units Shipped Field Content: Quantity per container. This value must be a whole number and match to the value sent in the 862, TD1 02.	H-D: M X12: M	R R	1/10 1/10

Segment: REF Reference Identification – Container Serial

Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier Field Content: LS (Container Serial Number) If the N1 SI 04 = 414343713 or 4143438416, then this segment is Required. Otherwise, this is an optional segment.	H-D: M	ID	2/2
			X12: M	ID	2/3
REF02	127	Reference Identification Field Content: Container Serial Number	H-D: M	AN	8/8
			X12: X	AN	1/30

Segment: CTT Transaction Totals

Level: Summary

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
CTT01	354	Number of Line Items Field Content: Total number of HL segments in this transaction	H-D: M	NO	1/6
			X12: M	NO	1/6
CTT02	347	Hash Total Field Content: Sum of all FST quantity fields	H-D: M	R	1/10
			X12: O	R	1/10

Segment: SE Transaction Set Trailer

Level: Summary

Data Element Summary

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
SE01	96	Number of Included Segments Field Content: Total number of segments included in this transaction, including the ST and SE segments.	H-D: M	NO	1/10
			X12: M	NO	1/10
SE02	329	Transaction Set Control Number Field Content: Identifying control number assigned by the H-D translator for the 862. This value must match the value in the ST02	H-D: M	AN	4/9
			X12: M	AN	4/9

Segment: GE Functional Group Trailer
Level: Functional Envelope

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
GE01	97	Number of Transaction Sets Included	HD: M	N0	1/6
		Field Content: The total number of transaction sets included in the functional group	X12: M	N0	1/6
GE02	28	Group Control Number	HD: M	N0	1/9
		Field Content: A group control number assigned by the H-D translator, which matches to the GS06	X12: M	N0	1/9

Segment: IEA Interchange Control Trailer
Level: Interchange Envelope

Data Element Summary

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
IEA01	I16	Number of Included Functional Groups	H-D: M	N0	1/5
		Field Content: A count of the number of functional groups included in an interchange	X12: M	N0	1/5
IEA02	I12	Interchange Control Number	HD: M	N0	9/9
		Field Content: A control number assigned by the H-D translator, which matches to the ISA13	X12: M	N0	9/9

Cross Reference to the 830, 850 and 862

856 Segment	830	850	862 OE	862 Supplier Direct (N1 SI 04 = 4143434553)
BSN02 (Shipment Identification Number)				BSS02
TD502 (Qualifier for SCAC)		TD502		856 TD502 must equal "ZZ"
TD503 (SCAC)		TD503		REF SCA 02
N101 = SI				
N103 (Qualifier)	N1 MI 03	N1 BY 03	N1 SI 03	N1 SI 03
N104 (Schedule Issuer)	N1 MI 04	N1 BY 04	N1 SI 04	N1 SI 04
N101 = ST				
N103 (Qualifier)	N1 ST 03	N1 ST 03	N1 ST 03	N1 ST 03
N104 (Ship To)	N1 ST 04	N1 ST 04	N1 ST 04	N1 ST 04
N101 = SU				
N103 (Qualifier)	N1 SU 03	N1 SE 03	N1 SU 03	N1 SU 03
N104 (Supplier ID)	N1 = SU 04	N1 SE 04	N1 SU 04	N1 SU 04
SN103 (Unit of Measure)		P0103	UIT01	UIT01
REF01 = DK				
REF02 (Dock)	REF DK 02		REF DK 02	REF DK 02
SAC02 (Qualifier)		SAC02		
SAC04 (Service, Allowance or Charge Code)		SAC05		
LIN03 (Part Number)	LIN03	P0107	LIN03	LIN03
LIN05 (Revision Level)	LIN05	P0113	LIN05	LIN05
LIN07 (PO Number)	LIN07	BEG03	LIN07	BSS02
REF01 = LF				
REF02 (Line Feed)	REF LF 02		REF LF 02	
REF01 = RE				
REF02 (Release ID)	BFR02	P0101	BSS02	LIN01

Data Example of OE 856

ST-856-6812001μ
BSN-00-00033751-20031126-1619μ
DTM-011-20031126-1619μ
HL-1-Sμ
MEA-PD-G-1655-LBμ
TD1-PAT-1μ
TD5-B-2-FEDX-LTμ
REF-CN-806450072314μ
REF-CN-806450072315μ
REF-CN-806450072316μ
N1-SI-1-062629324μ
N1-ST-92-7178521878μ
N1-SU-92-TESTμ
REF-DK-D1μ
HL-2-1-Iμ
LIN-BP-61165-89-DR-A-PO-R-0000002961μ
SN1-385-EAμ
REF-LF-Q4 FRB17-31μ
REF-PK-00033751μ
REF-RE-029812μ
CLD-11-35μ
HL-3-1-Iμ
LIN-BP-61166-93A-PO-R-0000002960μ
SN1-200-EAμ
REF-LF-DY FRE14-13μ
REF-PK-00033752μ
REF-RE-029812μ
CLD-4-50μ
HL-4-1-Iμ
LIN-BP-90817-96A-PO-R-0000005626μ
SN1-40-EAμ
REF-LF-DY COLF13μ
REF-PK-00033753μ
REF-RE-029812μ
CLD-2-20μ
CTT-4-625μ
SE-57-6812001μ

Data Example Parts & Accessories 856

ST*856*000010278
BSN*00*00086848*20110224*1702
DTM*011*20110224*1659
HL*1**S
MEA*PD*G*65.424*LB
TD1*CTN*7
TD5*B*2*UPSN*LT
REF*AW*1Z6676310302449776
REF**00086848
N1*SI**1*4143438416
N1*ST**92*414343200
N1*SU**1*TEST
HL*2*1*I
LIN**BP*99999-99*DR**PO*P012345678
SN1**48*EA
REF*PK*450789
REF*RE*1
CLD*1*48
REF*LS*45078908
HL*3*1*I
LIN**BP*88888-88*DR**PO*P000678923
SN1**24*EA
REF*PK*474134
REF*RE*1
CLD*1*24
REF*LS*47413403
CTT*3
SE*28*000010278

Data Example Supplier Direct 856

ST-856-280101μ
BSN-00-7965959-20031117-0949μ
DTM-011-20031114-0300μ
HL-1-1-Sμ
MEA-PD-G-305-LBμ
TD1-CNT-1μ
TD5-B-2-UPSS-LTμ
REF-CN-806450072314μ
REF-CN-806450075000μ
REF-CN-806450076000μ
REF-CN-806450077000μ
N1-SI-92-4143434553μ
N1-ST-92-0018μ
N1-SU-92-TESTμ
SAC-C-D200-35000μ
HL-2-1-Iμ
LIN-BP-99816-1040-PO-7965959μ
SN1-14-EAμ
REF-RE-1μ
HL-3-1-Iμ
LIN-BP-99816-2050-PO-7965959μ
SN1-14-EAμ
REF-RE-2μ
HL-4-1-Iμ
LIN-BP-99816-50-PO-7965959μ
SN1-14-EAμ
REF-RE-3μ
CTT-4-42μ
SE-30-280101μ

Data Example General Merchandise 856

ST-856-15066183	REF-LS-29962
BSN-00-80601010-20060210-1625	REF-LS-29963
DTM-011-20060212-1000	REF-LS-29964
HL-1-S	REF-LS-29965
MEA-PD-G-1605-LB	REF-LS-29966
TD1-CTN-47	REF-LS-29967
TD5-B-2-GM-M	REF-LS-29968
REF-CN-QEFHKGCHI00679	REF-LS-29969
N1-SI-92-414343713	REF-LS-29970
N1-ST-92-4143655400	REF-LS-29971
N1-SU-92-TEST	REF-LS-29972
HL-2-1-I	REF-LS-29973
LIN-BP-90018-	REF-LS-29974
04MM/000M-PO-GM0000000102	REF-LS-29975
SN1-168-EA	REF-LS-29976
REF-RE-1	REF-LS-29977
CLD-9-17	REF-LS-29978
REF-LS-29949	REF-LS-29979
REF-LS-29950	REF-LS-29980
REF-LS-29951	REF-LS-29981
REF-LS-29952	REF-LS-29982
REF-LS-29953	REF-LS-29983
REF-LS-29954	REF-LS-29984
REF-LS-29955	REF-LS-29985
REF-LS-29956	REF-LS-29986
REF-LS-29957	REF-LS-29987
CLD-1-15	REF-LS-29988
REF-LS-29958	REF-LS-29989
HL-3-1-I	REF-LS-29990
LIN-BP-90018-	REF-LS-29991
04MM/000S-PO-GM0000000102	REF-LS-29992
SN1-696-EA	REF-LS-29993
REF-RE-2	REF-LS-29994
CLD-36-19	CLD-1-12
REF-LS-29959	REF-LS-29995
REF-LS-29960	CTT-3-864
REF-LS-29961	SE-72-15066183

Documentation Updates

June 2010 Update

- Page 2: Changed sentence “H-D will send ANSI X.12, Version 004010.” to “H-D will only accept ANSI X.12, Version 004010.”
- Page 2: Changed sentence “No other version of the ANSI X.12 can be sent.” To No other version of the ANSI X.12 will be accepted.”
- Page 18: Changed Load Detail segment title from REF: Reference Identification – Release ID to CLD: Load Detail.

January 2011 Update

No changes were made to the standard. Republished document to indicate this is the current standard.

February 2011 Update

- Page 9: Added note to the BSN 02 stating if ASN is for Supplier Direct, ASN number must equal release/picklist/862's BSS 02.
- Page 19: Added note to the REF LS 02 stating P&A requires container serial numbers in the ASN. Previously, only General Merchandise required container serial numbers in the ASN.
- Page 23: Deleted outdated P&A ASN sample and added new sample showing the use of container serial numbers.