



# EDI Implementation Guide for SAP ASN

January 2013

TRANSACTION SET

## 856 Sequenced JIT

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), sent against the EDI 866 Sequenced JIT 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 timeliness of the information about in-transit materials (shipment and ASN) 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 at “-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 for H-D to successfully receive this document, the sender's EDI system must be set up with 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	
TD5	Carrier Details – SCAC	Mandatory	1	
REF	Reference Identification – Bill Of Lading	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	Optional	1	

### Detail - TARE/Pallet

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
Loop ID – HL	Tare/Pallet	Mandatory only for ASNs having a Schedule Issuer code equal to an OE site (York, Kansas City, Powertrain and Tomahawk)		Multiple Times
HL	Hierarchical Level – TARE/Pallet	Mandatory	1	
REF	Reference Identification – Master Serial Number/Handling Unit Number (Higher Level HU)	Mandatory	1	
PAL	PAL - Type & Load Characteristics (Higher Level HU)	Mandatory	1	

**Detail - Item**

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
Loop ID – HL Item		Mandatory		Multiple Times
HL	Hierarchical Level - Item	Mandatory	1	
LIN	Item Identification	Mandatory	1	
SN1	Item Detail	Mandatory	1	
REF	Reference Identification – Job Number	Optional	1	
End of Loop ID – HL-Item				
End of Loop ID – HL-Tare/Pallet				

**Summary**

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

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

**Segment:** **GS** **Functional Group Header**  
**Level:** Functional Envelope

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min/Max	
GS01	479	Functional Identifier Code	HD:	M	ID	2/2
		<b>Field Content:</b>	X12:	M	ID	2/2
		<u>Code</u> <u>Name</u>				
		<b>SH</b> <b>Advanced Ship Notice</b>				
GS02	142	Application Sender's Code	HD:	M	AN	2/15
		<b>Field Content: Supplier's EDI ID</b>	X12:	M	AN	2/15
GS03	124	Application Receiver's Code	HD:	M	AN	2/15
		<b>Field Content: 062629324</b>	X12:	M	AN	2/15
GS04	373	Date	HD:	M	DT	8/8
		<b>Field Content: CCYYMMDD</b>	X12:	M	DT	8/8
GS05	337	Time	HD:	M	TM	4/8
		<b>Field Content: 24-hour clock, HHMM</b>	X12:	M	TM	4/8
GS06	28	Group Control Number	HD:	M	N0	1/9
		<b>Field Content: A group control number assigned by the H-D translator, which matches to the GE02</b>	X12:	M	N0	1/9
GS07	455	Responsible Agency Code	HD:	M	ID	1/2
		<b>Field Content:</b>	X12:	M	ID	1/2
		<u>Code</u> <u>Name</u>				
		<b>X</b> <b>Accredited Standards Committee X12</b>				
GS08	480	Version / Release / Industry Identifier Code	HD:	M	AN	1/12
		<b>Field Content: 004010</b>	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 <b>Field Content: 856</b>	H-D: M X12: M	ID ID	3/3 3/3
ST02	329	Transaction Set Control Number <b>Field Content: Identifying control number assigned by the H-D translator for the 850. This value must match the value in the SE02.</b>	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 <b>Field Content: One of the following codes:</b> <u>Code</u> <u>Name</u> <b>00 Original shipping notice</b>	H-D: M X12: M	ID ID	2/2 2/2
		<b>Note: If a corrected ASN must be sent, then the supplier must call material planner who will arrange to have the first ASN deleted. Once the ASN is deleted, supplier can send corrected ASN.</b>			
BSN02	396	Shipment Identification <b>Field Content: ASN Number / Shipment ID assigned by sender. This value can not be repeated within 24 months.</b>	H-D: M X12: M	AN AN	1/8 2/30
		<b>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.</b>			
BSN03	373	Date Created <b>Field Content: CCYYMMDD</b>	H-D: M X12: M	DT DT	8/8 8/8
BSN04	337	Time Created <b>Field Content: HHMM</b>	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	Element Name	Req	Type	Min/Max
DTM01	374	Date/Time Qualifier <b>Field Content: 011 (Date / Time of Shipment)</b>	H-D: M X12: M	ID ID	3/3 3/3
DTM02	373	Date Shipped <b>Field Content: CCYYMMDD</b>	H-D: M X12: X	DT DT	8/8 8/8
DTM03	337	Time Shipped <b>Field Content: HHMM</b>	H-D: M X12: X	TM TM	4/4 4/8

**Segment: HL Hierarchical Level**

Level: Header

**Data Element Summary**

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
HL01	628	Hierarchical ID Number <b>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, this HL will always be 1.</b>	H-D: M X12: M	AN AN	1/12 1/12
HL03	735	Hierarchical Level Code <b>Field Content: S (Shipment)</b>	H-D: M X12: M	ID ID	1/1 1/2

**Segment: TD5 Carrier Details - SCAC**  
Level: Header

**Data Element Summary**

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

**Segment: REF Reference Identification – Bill of Lading**  
Level: Header

**Data Element Summary**

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier <b>Field Content: BM (Bill of Lading Number)</b>	H-D: M X12: M	ID ID	2/2 2/3
REF02	127	Reference Identification (Freight Reference) <b>Field Content: Bill of Lading Number</b>	H-D: M X12: M	AN AN	1/30 1/30

**Segment: REF Reference Identification – Freight Reference**

Level: Header

**Data Element Summary**

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier	H-D: M	ID	2/2
		<b>Field Content: One of the following codes:</b>	X12: M	ID	2/3
		<u>Code</u> <u>Name</u>			
		CN Pro invoice number / Freight Invoice Number			
		AW Airway invoice number			
REF02	127	Reference Identification (Freight Reference)	H-D: M	AN	1/18
		<b>Field Content: Freight Reference Number. If the shipment is sent on the supplier's truck, enter ZZZZ.</b>	X12: X	AN	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	H-D: M	ID	2/2
		<b>Field Content: SI (Schedule Issuer)</b>	X12: M	ID	2/3
N103	66	Identification Code Qualifier	H-D: M	ID	1/2
		<b>Field Content: One of the following codes:</b>	X12: X	ID	1/2
		<u>Code</u> <u>Name</u>			
		1 DUNS code for H-D			
		92 Assigned by H-D			
N104	67	Identification Code	H-D: M	AN	2/10
		<b>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.</b>	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 <b>Field Content: ST (Ship To)</b>	H-D: M X12: M	ID	2/2 2/3
N103	66	Identification Code Qualifier <b>Field Content: One of the following codes:</b> <b>Code Name</b> <b>1 DUNS code for H-D</b> <b>92 Assigned by H-D</b>	H-D: M X12: X	ID	1/2 1/2
N104	67	Identification Code <b>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.</b>	H-D: M X12: X	AN	2/10 2/80

**Segment: N1 Name – Supplier / Manufacturer**  
Level: Header

**Data Element Summary**

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

**Segment: REF Reference Identification - Dock**  
Level: Header

**Data Element Summary**

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier <b>Field Content: DK (Dock)</b>	H-D: X X12: X	ID	2/2 2/3
REF02	127	Reference Identification <b>Field Content: Dock Number</b>	H-D: X X12: X	AN	1/4 1/30

**Segment: HL Hierarchical Level - TARE/Pallet**  
Level: Header

**Data Element Summary**

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
HL01	628	Hierarchical ID Number <b>Field Content: A unique alphanumeric number for each occurrence of the HL segment in the transaction set.</b>	H-D: M X12: M	AN AN	1/4 1/4
		<b>The first HL segment in this transaction is the HL Shipment, which will be a 1. If this is the first HL Tare after the HL Shipment, then this will be 2. All subsequent HL segments will have this value incremented by one.</b>			
		<b>If this segment is sent in the ASN, then the ASN must also include the REF SE and PAL segments.</b>			
HL02		Hierarchical Parent ID Number <b>Field Content: For the HL Tare segment, this element will have a number 1.</b>	H-D: M X12: M	AN AN	1/4 1/4
HL03	735	Hierarchical Level Code <b>Field Content: T (Tare)</b>	H-D: M X12: M	ID ID	1/1 1/1



**Segment: REF Reference Identification – Master Serial Number/Handling Unit Number**

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes		
			Req	Type	Min/Max
REF01	128	Reference ID Qualifier <b>Field Content: Enter SE (Master Label Serial Number/Handling Unit Number)</b>	H-D: M / O	ID	2/2
			X12: M	AN	2/2
REF02	127	Reference Identification <b>Field Content: A 15 digit Master Label Serial Number (also known a Master Handling Unit (MHU)). Serial number must begin with the supplier's current Supplier ID and be immediately followed by a set of unique numbers. The combination of both will equal 15 digits. This value must also be documented on the Master Label.</b>	H-D: M / O	N	15/15
			X12: M	AN	1/20

Below is an example using an SAP Supplier ID:

Sample Master Label Serial #: 123456000000001  
 SAP Supplier ID: 123456  
 Unique set of 9 digits: 000000001

Below is an example using a Legacy Supplier ID:

Sample Master Label Serial #: A12340000000001  
 Legacy Supplier ID: A1234  
 Unique set of 10 digits: 0000000001

Notes:

- Each bulk container (a container that must be moved by a fork truck) requires a unique Master Serial Number.
- Each part number shipped on a mixed pallet requires a unique Master Serial Number. If there are three part numbers on the mixed pallet, there will be three Master Labels, each having a unique serial number. Each Master Label will summarize the contents of the multiple boxes on the pallet.
- All boxes of the same part number shipped via UPS/FedEx/etc. must have a Master Serial Number. The Master Label will summarize the contents of the multiple boxes.

For information on the Master Serial Number requirements for different shipments, please refer to the Bar Code Label Requirements Document.

**Segment: PAL - Type & Load Characteristics**

Level: Header

**Data Element Summary**

Ref	Data	Element Name	Attributes		
Des.	Element		Req	Type	Min/Max
PAL01	883	Higher Level HU Type Code	H-D: M	ID	1/2
		<b>Field Content: If the ASN contains the REF SE segment (Master Serial Number/Handling Unit Number), then enter a two digit alphanumeric code identifying the type of Higher Level Handling Unit (i.e a pallet would select Code 1 since it is Hardwood). For example:</b>	X12: M	ID	1/2
		<b><u>Code</u>    <u>Name</u></b>			
		1        Hardwood			
		2        As specified by Department of Transportation			
		3        Metal			
		4        Standard			
		5        Steel			
		6        Wood			
		7        Slip Sheet			
		<b>If the ASN does not contain the REF SE segment, then the ASN should not contain the PAL segment.</b>			
		<b>Mandatory only for ASNs having a Schedule Issuer code equal to an OE site (York, Kansas City, Powertrain and Tomahawk)</b>			
PAL05	395	Net Unit Weight	H-D: M	N0	1/8
		<b>Field Content: The total (gross) weight associated with the Tare and Master Serial Number. Value must be a whole number.</b>	X12: M	N0	1/8
PAL06	355	Weight Unit of Measure	H-D: M	AN	1/2
		<b>Field Content: Enter one of the following codes:</b>	X12: M	AN	1/2
		<b><u>Code</u>    <u>Name</u></b>			
		LB       Pounds			
		HV       Hundred Weight			
		G        Gram			
		KG       Kilogram			
		KT       Kilotonne			
		MG       Milligram			
		OZ       Ounce			
		TO       Troy Ounce			
		51       Actual Tonne			
		TN       Ton (2,000 LB = 1 Net Ton)			

PAL15 399 Higher Level HU Category **H-D: X NO 1/1**  
**Field Content: Code specifying Higher Level HU exchange instructions** X12: M NO 1/1  
Code Name  
 1 No Exchange/No Return  
 2 Exchange Higher Level HUs  
 3 Returnable Higher Level HUs  
 4 Higher Level HUs to be purchased by customer  
 5 3rd party Higher Level HU exchange

Must be a whole number.

**Segment: HL Hierarchical Level - Item**  
 Level: Detail

**Data Element Summary**

Ref	Data	Element Name	Attributes		
			Req	Type	Min/Max
HL01	628	Hierarchical ID Number <b>Field Content: A unique alphanumeric number for each occurrence of the HL segment in the transaction set. Each subsequent HL segment will have this value incremented by one.</b>	H-D: M X12: M	AN AN	1/12 1/12
HL02	734	Hierarchical Parent ID Number <b>Field Content: Identification number of the higher hierarchical data segment that this data segment is subordinate to.</b>	H-D: M X12: O	AN AN	1/3 1/12
HL03	735	Hierarchical Level Code <b>Field Content: I (Item)</b>	H-D: M X12: M	ID ID	1/1 1/2

**Segment: LIN Item Identification**  
**Level: Detail**

### Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min/Max	
LIN02	235	Product ID Qualifier <b>Field Content: BP (H-D Part Number)</b>	H-D: M X12: M	ID ID	2/2 2/2	
LIN03	234	Product ID (H-D Part Number) <b>Field Content: H-D Part Number</b>	H-D: M X12: M	AN AN	1/18 1/48	
LIN04	235	Product ID Qualifier <b>Field Content: DR (Drawing Revision)</b>	H-D: X X12: X	ID ID	2/2 2/2	
LIN05	234	Product ID Level <b>Field Content: Drawing Revision Level</b>	H-D: X X12: X	AN AN	1/4 1/48	
LIN06	235	Product ID Qualifier <b>Field Content: PO (H-D Purchase Order)</b>	H-D: M X12: X	ID ID	2/2 2/2	
		<b>If the ASN is being sent against an 866, this element should not be sent in the ASN.</b>				
LIN07	234	Product ID (H-D Purchase Order Number) <b>Field Content: Field must contain one of the following:</b>	H-D: M X12: X	AN AN	1/15 1/48	
		<ul style="list-style-type: none"> <li>• <b>H-D Purchase Order Number</b></li> <li>• <b>If the N1 SI 04 = 4143434553, then this field must contain the 862 picklist number found in the 862's BSS02.</b></li> </ul>				
		<b>If the ASN is being sent against an 866, this element should not be sent in the ASN.</b>				

**Segment: SN1 Item Detail**  
**Level: Detail**

### Data Element Summary

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

**Segment: REF Reference Identification – Job Number**  
 Level: Detail

**Data Element Summary**

Ref	Data	Element Name	Attributes		
Des.	Element		Req	Type	Min/Max
REF01	128	Reference ID Qualifier Field Content: JN (Job Number) Used in sequencing (aka Internal Vehicle Number, Batch Number, Security Number, External Call Number)	H-D: X	ID	2/2
			X12: O	ID	2/3
		Segment required if shipping against the 866. Otherwise, this segment is not required.			
REF02	127	Reference Identification Field Content: Group Identification Number obtained from the 866, REF JS 02. Used in sequencing (aka Internal Vehicle Number, Batch Number, Security Number, External Call Number) .	H-D: X	AN	1/10
			X12: O	AN	1/6
		Segment required if shipping against the 866. Otherwise, this segment is not required.			
REF03	352	Job Sequence Number Field Content: Job Sequence Number obtained from the 866, REF JS 03. In most cases, this value will be 0001. Item key in case there are more components assigned to one component group.	H-D: C	AN	1/4
			X12: X	DT	x/x
		Segment required if shipping against the 866. Otherwise, this segment is not required.			

**Segment: CTT Transaction Totals**  
 Level: Summary

**Data Element Summary**

Ref	Data	Element Name	Attributes		
Des.	Element		Req	Type	Min/Max
CTT01	354	Number of Line Items Field Content: Total number of HL segments in this transaction. Must be a whole number.	H-D: M	N0	1/6
			X12: M	N0	1/6

**Segment: SE Transaction Set Trailer**  
 Level: Summary

**Data Element Summary**

Ref	Data		Attributes		
Des.	Element	Element Name	Req	Type	Min/Max
SE01	96	Number of Included Segments <b>Field Content: Total number of segments included in this transaction, including the ST and SE segments. Must be a whole number.</b>	H-D: M X12: M	N0	1/10 1/10
SE02	329	Transaction Set Control Number <b>Field Content: Identifying control number assigned by the H-D translator for the 856. This value must match the value in the ST02.</b>	H-D: M X12: M	AN	4/9 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 <b>Field Content: The total number of transaction sets included in the functional group. Must be a whole number.</b>	HD: M X12: M	N0	1/6 1/6
GE02	28	Group Control Number <b>Field Content: A group control number assigned by the H-D translator, which matches to the GS06. Must be a whole number.</b>	HD: M X12: M	N0	1/9 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 <b>Field Content: A count of the number of functional groups included in an interchange. Must be a whole number.</b>	H-D: M X12: M	N0	1/5 1/5
IEA02	I12	Interchange Control Number <b>Field Content: A control number assigned by the H-D translator, which matches to the ISA13. Must be a whole number.</b>	HD: M X12: M	N0	9/9 9/9

## Data Sample

The 856 Sequenced JIT is sent when shipping against the EDI 866 (Sequenced JIT) transaction. Select suppliers receive the EDI 866 transaction.

This ASN sample corresponds with the EDI 866, Data Sample 1A and 1B in the EDI 866 spec.

```
ISA*00*      *00*      *ZZ*062629324HDT *ZZ*062629324HDT
*110718*1007*U*00401*000018545*O*P*(...
GS*SH*062629324HDT*062629324HDT*20110718*1007*18545*X*004010...
ST*856*185450001...
BSN*00*JIS229705*20120307*161000...
DTM*007*20120307*160000...
HL*1**S...
TD5*B*2*SCAC...
REF*BM*BOL...
REF*CN*FRTBILL...
N1*SI**92*1001...
N1*ST**92*1001S101...
N1*SU**92*229705...
REF*DK*S101...
HL*2*1*T...
REF*SE*229705000000001...
PAL*4****5*LB*****1...
HL*3*2*I...
LIN**BP*47007-11A...
SN1**1*EA...
REF*JN*1000804522*0001...
HL*4*2*I...
LIN**BP*40666-11A...
SN1**1*EA...
REF*JN*1000745285*0001...
HL*5*2*I...
LIN**BP*38155-11A...
SN1**1*EA...
REF*JN*1000804255*0001...
HL*6*2*I...
LIN**BP*47004-11A...
SN1**1*EA...
REF*JN*1000804119*0001...
HL*7*2*I...
LIN**BP*47007-11A...
SN1**1*EA...
REF*JN*1000776797*0001...
HL*8*2*I...
LIN**BP*38107-11A...
SN1**1*EA...
REF*JN*1000811070*0001...
CTT*8*6...
SE*40*185450001...
GE*1*18545...
```

## **Testing Requirements**

To obtain certification, the submitted ASN must meet all ANSI X.12, 004010 guidelines and contain sample data that represents a sequenced ASN.



## **Documentation Updates**

### **January 2013**

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