



# EDI Implementation Guide for SAP ASN

September 2024

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 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 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 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	
MEA	Measurement	Mandatory	1	
TD1	Carrier Detail - Packaging	Mandatory	20	
TD5	Carrier Details – SCAC	Mandatory	1	
TD4	Carrier Details - Hazardous Materials	Optional	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	
SAC	Service, Allowance, or Charge Information	Optional	1	

### Detail - TARE/Pallet

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
Loop ID – HL Tare/Pallet		Mandatory		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 – Line Feed	Optional	1	
REF	Reference Identification – Packing List	Optional	1	
REF	Reference Identification – Release ID	Mandatory	1	
REF	Reference Identification – Schedule Line Number	Mandatory	1	
CLD	Load Detail	Mandatory	>1	
REF	Reference Identification – Container Serial Number	Optional	>1	
End of Loop ID – HL-Item				
End of Loop ID – HL-Tare/Pallet				

### Summa

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

ISA14	I13	Acknowledgment Requested	HD:	M	ID	1/1
		<b>Field Content:</b>	X12:	M	ID	1/1
		<b>Code Name</b>				
<b>0 No Acknowledgment Requested</b>						
ISA15	I14	Usage Indicator	HD:	M	ID	1/1
		<b>Field Content:</b>	X12:	M	ID	1/1
		<b>Code Name</b>				
		<b>P Production Data</b>				
ISA16	I15	Component Element Separator	HD:	M	ID	1/1
		<b>Field Content: &gt;</b>	X12:	M	ID	1/1

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

**Data Element Summary**

Ref Des.	Data Element	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
		<b>Code Name</b>				
		<b>SH 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. Must be a whole number.</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
		<b>Code Name</b>				
		<b>X 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 Des.	Data Element	Element Name	Attributes			
			H-D:	Req	Type	Min/Max
ST01	143	Transaction Set Identifier Code <b>Field Content: 856</b>	M	ID	3/3	
			X12:	M	ID	3/3
ST02	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 SE02.</b>	M	AN	4/9	
			X12:	M	AN	4/9

**Segment: BSN Beginning Segment for Ship Notice**  
Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			H-D:	Req	Type	Min/Max
BSN01	353	Transaction Set Purpose Code <b>Field Content: One of the following codes:</b> <u>Code Name</u> <b>00 Original shipping notice</b> <b>05 Replacement of the original ship notice</b> <b>Can not be used for SAP H-D sites:</b> <ul style="list-style-type: none"> <li><b>New Factory York. To send a corrected ASN, 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></li> </ul>	M	ID	2/2	
			X12:	M	ID	2/2
BSN02	396	Shipment Identification <b>Field Content: ASN Number / Shipment ID assigned by sender. This value can not be repeated within 24 months.</b>  <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>	M	AN	1/8	
			X12:	M	AN	2/30
BSN03	373	Date Created <b>Field Content: CCYYMMDD</b>	M	DT	8/8	
			X12:	M	DT	8/8
BSN04	337	Time Created <b>Field Content: HHMM</b>	M	TM	4/4	
			X12:	M	TM	4/8

**Segment: DTM Date / Time Reference**

Level: Header

**Data Element Summary**

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

**Segment: HL Hierarchical Level**

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			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	AN	1	12
			X12: M	AN	1	12
HL03	735	Hierarchical Level Code <b>Field Content: S (Shipment)</b>	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 <b>Field Content: PD (Physical Dimensions)</b>	H-D: M X12: O	ID	2/2	2/2
MEA02	738	Measurement Qualifier <b>Field Content: G (Gross Weight)</b>	H-D: M X12: O	ID	1/2	1/3
MEA03	739	Measurement Value <b>Field Content: Gross weight in whole number—no decimal.</b>	H-D: M X12: X	R	1/6	1/20
MEA04	355	Unit of Measure <b>Field Content: LB (Pounds)</b>	H-D: M X12: X	ID	2/2	2/2

**Segment:** TD1 Carrier Details - Packaging  
**Level:** Header

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
TD101	103	Packaging Code <b>Field Content: Packing Code, See Appendix B, H-D Packaging Codes</b>	H-D: M X12: O	AN	3/4	3/5
TD102	80	Lading Quantity <b>Field Content: Quantity of each packaging code Must be a whole number.</b>	H-D: M X12: X	N0	1/4	1/7

**Segment: TD5 Carrier Details - SCAC**

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min	Max
		TD501 133 Routing Sequence Code	H-D: M	ID	1/1	
		<b>Field Content: B (Origin / Delivery Carrier)</b>	X12: O	ID	1/2	
TD502 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 Name</u>				
		2 SCAC				
		ZZ Other Carrier				
TD503 67		Identification Code	H-D: M	AN	2/40	
		<b>Field Content: SCAC or code representing carrier. See Appendix C, H-D Standard Carrier Alpha Codes, for valid SCACs. Please reference the requirements document that the shipment is made against for the correct code. Some of the SCAC are non-traditional codes.</b>	X12: X	AN	2/80	
TD504 91		Transportation Method/Type Code	H-D: M	ID	1/2	
		<b>Field Content: Any valid X12 Data Element 91 code specifying the method of transportation.</b>	X12: X	ID	1/2	

**Segment: TD4 Carrier Details – Hazardous Material**

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min	Max
TD401	133	Special Handling Code	H-D: M	ID	2/3	
		<b>Field Content: Any valid X12 Data Element 152 code specifying special transportation handling instructions for this shipment.</b>	X12: M	ID	2/3	
TD402	66	Hazardous Material Code qualifier	H-D: X	ID	1/1	
		<b>Field Content: D (Hazardous Material)</b>	X12: X	ID	1/1	
TD403	67	Hazardous Material Class Code	H-D: X	AN	1/4	
		<b>Field Content: Any valid X12 Data Element 209 specifying the kind of hazard for the material for this shipment.</b>	X12: X	AN	1/4	

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

Level: Header

**Data Element Summary**

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

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

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier	H-D:	M	ID	2/2
		Field Content: One of the following codes: <u>Code Name</u> CN Pro invoice number / Freight Invoice Number AW Airway invoice number	X12:	M	ID	2/3
REF02	127	Reference Identification (Freight Reference)	H-D:	M	AN	1/18
		Field Content: Freight Reference Number. If the shipment is sent on the supplier's truck, enter ZZZZ.	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 <b>Field Content: SI (Schedule Issuer)</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>	H-D: M X12: X	ID	1/2	1/2
		<b>Code Name</b>				
		1 DUNS code for H-D				
		92 Assigned by H-D				
N104	67	Identification Code <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>	H-D: M X12: X	AN	2/10	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>	H-D: M X12: X	ID	1/2	1/2
		<b>Code Name</b>				
		1 DUNS code for H-D				
		92 Assigned by H-D				
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
<p>ASNs with the N1 SI 04 equal to 4143434553 (Supplier Direct) will require a dealer number to be entered. Reference the 862's N1 ST 04 for the code.</p>						

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

Level: Header

**Data Element Summary**

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

**Segment: REF Reference Identification - Dock**

Level: Header

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
REF01	128	Reference ID Qualifier <b>Field Content: DK (Dock)</b>	H-D:	X	ID	2/2
			X12:	X	AN	2/3
<p>If the document that triggers the shipment (862 or 850) contains a dock number, then the ASN must have this segment and the value in the 02 must equal the value in the triggering document.</p>						
REF02	127	Reference Identification <b>Field Content: Dock Number</b>	H-D:	X	AN	1/4
			X12:	X	AN	1/30
<p>If the document that triggers the shipment (862 or 850) contains a dock number, then the ASN must have this segment and the value in the 02 must equal the value in the triggering document.</p>						

**Segment: SAC Service, Allowance, or Charge Information**

Level: Header

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
SAC01	248	Allowance or Charge Indicator <b>Field Content: C (Charge)</b>	H-D: M X12: M	ID	1/1	1/1
<p>Mandatory for ASN being sent to Supplier Direct (N1 SI 04 equals 4143434553). Not required for ASNs to other H-D sites.</p>						
SAC02	1300	Service, Allowance or Charge Code <b>Field Content: One of the following codes:</b> <u>Code Name</u> 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	4/4	4/4
<p>Mandatory for ASN being sent to Supplier Direct (N1 SI 04 equals 4143434553). Not required for ASNs to other H-D sites.</p>						
SAC05	610	Allowance or Charge Amount <b>Field Content: Total dollar amount of the charge.</b>	H-D: M X12: O	N2	1/15	1/15
<p>Mandatory for ASN being sent to Supplier Direct (N1 SI 04 equals 4143434553). Not required for ASNs to other H-D sites.</p>						

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

Level: Header

**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.</b>	H-D: M X12: M	AN	1/4	1/4
<p>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.</p>						

Ref Des.	Data Element	Element Name	Attributes
			Req Type Min/Max
HL02		Hierarchical Parent ID Number <b>Field Content: For the HL Tare segment, this element will have a number 1.</b>	H-D: M AN 1/4 X12: M AN 1/4
HL03	735	Hierarchical Level Code <b>Field Content: T (Tare)</b>	H-D: M ID 1/1 X12: M ID 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 ID 2/2 X12: M AN 2/2
REF02	127	Reference Identification <b>Field Content: Master Serial Number/Handling Unit Number</b>	H-D: M N0 15/15 X12: M AN 1/20

**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.**

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<b>Ref</b>	<b>Data</b>	<b>Attributes</b>
<b>Des.</b>	<b>Element Element Name</b>	<b>Req Type Min/Max</b>

---

**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	Attributes
Des.	Element Element Name	Req Type Min/Max
PAL01 883	Higher Level HU Type Code <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> <b><u>Code Name</u></b> 1 Hardwood 2 As specified by Department of Transportation 3 Metal 4 Standard 5 Steel 6 Wood 7 Slip Sheet	H-D: M ID 1/2 X12: M ID 1/2
PAL05 395	Net Unit Weight <b>Field Content: The total (gross) weight associated with the Tare and Master Serial Number. Value must be a whole number.</b>	H - D : M N 1 / 7 X12: M N 1 / 8
PAL06 355	Weight Unit of Measure <b>Field Content: Enter one of the following codes:</b> <b><u>Code Name</u></b> LB Pounds HV Hundred Weight GR Gram KG Kilogram KT K i l o t o n n e MG M i l l i g r a m OZ O u n c e TO Troy Ounce 51 Actual Tonne TN Net Ton (2,000 LB = 1 Net Ton)	H-D: M AN 2/2 X12: M AN 2/2

PAL15 399	Higher Level HU Category <b>Field Content: Code specifying Higher Level HU exchange instructions</b> <u>Code Name</u> 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	H-D: M N0 1/1 X12: M N0 1/1
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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	AN	1/12	
			X12: M	AN	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	AN	1/3	
			X12: O	AN	1/12	
HL03	735	Hierarchical Level Code <b>Field Content: I (Item)</b>	H-D: M	ID	1/1	
			X12: M	ID	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	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	1/8	1/48
LIN04	235	Product ID Qualifier <b>Field Content: DR (Drawing Revision)</b>	H-D: X X12: X	ID	2/2	2/2
LIN05	234	Product ID Level <b>Field Content: Drawing Revision Level</b>	H-D: X X12: X	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	2/2	2/2
LIN07	234	Product ID (H-D Purchase Order Number) <b>Field Content: Field must contain one of the following:</b> <ul style="list-style-type: none"> <li>• H-D Purchase Order Number</li> <li>• If the N1 SI 04 = 4143434553 (Supplier Direct), then this field must contain the 862 picklist number found in the 862's BSS02.</li> </ul>	H-D: M X12: X	AN	1/15	1/48

**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. Must be a whole number.</b>	H-D: M X12: M	R	1/10	1/10
SN103	355	Unit of Measure Code <b>Field Content: Unit of Measure</b> See Appendix D, Unit of Measure, valid codes.	H-D: M X12: M	ID	2/2	2/2

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

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier <b>Field Content: LF (Line Feed)</b>	H-D:	X	ID	2/2
			X12:	M	ID	2/3
REF02	127	Reference Identification <b>Field Content: Code representing the assembly line consuming location. If the document that triggers the shipment (850 or 862) contains a line feed, then the same value that is in the triggering document must be entered in the ASN.</b>	H-D:	X	AN	1/30
			X12:	M	AN	1/30

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

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference Number Qualifier <b>Field Content: PK (Packing List)</b>	H-D:	X	ID	2/2
			X12:	X	ID	2/2
REF02	127	Reference Number <b>Field Content: Packing List Number</b> <b>All parts in the ASN must have the same packing list number. If the ASN number equals the packing list number, this segment is not required.</b>	H-D:	X	AN	1/8
			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	H-D:	M	ID	2/2
		<b>Field Content: RE (Release Number)</b>	X12:	X	ID	2/3
REF02	127	Reference Identification	H-D:	M	AN	1/8
		<b>Field Content: One of the following values should be entered:</b>	X12:	X	AN	1/30
		<ul style="list-style-type: none"> <li>• If N1 SI 04 equals a manufacturing location, then enter the Release ID from the 862's BSS 02</li> <li>• If N1 SI 04 equals 4143438416 (P&amp;A) or 414343713 (GM), then enter the PO Line Item Number from the 850's PO101</li> <li>• If N1 SI 04 equals 4143434553 (Supplier Direct), then enter the picklist line item number from the 862's LIN01</li> <li>• If ASN is responding to an MRO 850, then enter the PO Line Item Number from the 850's PO101</li> </ul>				

**Segment:** REF      **Reference Identification – Schedule Line Number**

**Level:** Detail

**Data Element Summary**

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier	H-D:	X	ID	2/2
		<b>Field Content: ZZ (Mutually Defined as the Schedule Line Number)</b>	X12:	X	ID	2/3
REF02	127	Reference Identification	H-D:	X	AN	9/9
		<b>Field Content: If the 862 that triggers the shipment contains a Schedule Delivery Line Number, then the same value that is in the 862 FST 09 must be entered in the ASN.</b>	X12:	X	AN	1/30

**Segment: CLD Load Detail**  
 Level: Detail

**Data Element Summary**

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
CLD01	622	Number of Load <b>Field Content: Number of containers. Must be a whole number.</b>	H-D:	M	N0	1/5
			X12:	M	N0	1/5
<b>If the N1 SI 04 equals 4143434553 (Supplier Direct), then this segment is optional.</b>						
CLD02	382	Number of Units Shipped <b>Field Content: Quantity per container.</b>	H-D:	M	R	1/10
			X12:	M	R	1/10
<b>If the N1 SI 04 equals 4143434553 (Supplier Direct), then this segment is optional.</b>						

**Segment: REF Reference Identification – Container Serial Number**

Level: Detail

**Data Element Summary**

Ref	Data Element	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier <b>Field Content: LS (Container Serial Number)</b>	H-D:	M	ID	2/2
			X12:	M	ID	2/3
<p><b>Required for ASNs with the N1 SI 04 equal to 414343713 (GM) and 4143438416 (P&amp;A)</b></p> <p><b>Optional for ASNs going other H-D sites.</b></p>						
REF02	127	Reference Identification <b>Field Content: Container Serial Number.</b>	H-D:	M	AN	1/15
			X12:	X	AN	1/30
<p><b>Required for ASNs with the N1 SI 04 equal to 414343713 (GM) and 4143438416 (P&amp;A)</b></p> <p><b>Optional for ASNs going other H-D sites.</b></p>						

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

**Data Element Summary**

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

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

**Data Element Summary**

Ref	Data	Element Name	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 N0 1/10 X12: M N0 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 AN 4/9 X12: M AN 4/9

**Segment: GE Functional Group Trailer**  
Level: Functional Envelope

**Data Element Summary**

Ref	Data	Element Name	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 N0 1/6 X12: M N0 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 N0 1/9 X12: M N0 1/9

---

**Segment: IEA Interchange Control Trailer**

Level: Interchange Envelope

**Data Element Summary**

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Ref Des.	Data Element	Element Name		Attributes		
				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	N0	1/5
			X12:	M	N0	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	N0	9/9
			X12:	M	N0	9/9

---

## Data Example 1 – Current Firm Order, Bulk Shipment: Multiple Pallets Each with a Different Part Number

This scenario would be applicable to other bulk containers (i.e. ropak, pallet box, and etc.). A bulk container is large, must be moved by a fork truck, and contains one part number.

Below is an ASN that reflects three pallets, each pallet having a different part number. Each part number has a different order schedule line number. The shipment will require three Master Label, one for pallet. Each container on the pallet will require a Container Label. Details of the shipment are:

### Part Number 24500-05A

- Order Quantity is 750
- Current Firm Order's Schedule Line Number 000100122
- Pallet 1: Master Label with Serial Number 654321000000100, total shipped quantity 750
  - Container 1 with Serial Number 654321000087015, total container quantity 375
  - Container 2 with Serial Number 654321000087016, total container quantity 375

### Part Number 24400-05A

- Order Quantity is 500
- Current Order's Schedule Line Number 000100231
- Pallet 2: Master Label with Serial Number 654321000000101, total shipped quantity 500
  - Container 1 with Serial Number 654321000087017, total container quantity 250
  - Container 2 with Serial Number 654321000087018, total container quantity 250

### Part Number 24300-05A

- Order Quantity is 500
- Current Order's Schedule Line Number 000100050
- Pallet 3: Master Label with Serial Number 654321000000102, total shipped quantity 500
  - Container 1 with Serial Number 654321000087019, total container quantity 250
  - Container 2 with Serial Number 654321000087020, total container quantity 250

Below is how the ASN is to be set up:

BSN\*00\*171787\*20110823\*1352μ  
DTM\*011\*20110720\*1352μ  
HL\*1\*\*Sμ  
MEA\*PD\*G\*5221\*LBμ  
TD1\*PAT\*3μ  
TD5\*B\*2\*HECI\*Mμ  
TD4\*123\*D\*1234μ  
REF\*BM\*86NXA8659ZY976μ  
REF\*CN\*171787μ  
N1\*SI\*\*92\*1001μ  
N1\*ST\*\*92\*1001S002μ  
N1\*SU\*\*92\*654321μ  
REF\*DK\*P16μ  
SAC\*C\*C\*G830\*240μ  
HL\*2\*1\*Tμ  
REF\*SE\*654321000000100μ  
PAL\*1\*\*\*\*1384\*LB\*\*\*\*\*1μ  
HL\*3\*2\*Iμ  
LIN\*BP\*24500-05A\*DR\*0\*PO\*X000003177μ Part Number 24500-05A  
SN1\*\*750\*EAμ  
REF\*LF\*210T9 POUμ  
REF\*RE\*10718146μ  
REF\*ZZ\*000100122μ  
CLD\*2\*375μ  
REF\*LS\*654321000087015μ  
REF\*LS\*654321000087016μ  
HL\*4\*1\*Tμ  
REF\*SE\*654321000000101μ  
PAL\*1\*\*\*\*1922\*LB\*\*\*\*\*1μ  
HL\*5\*4\*Iμ  
LIN\*BP\*24400-05A\*DR\*0\*PO\*X000003178μ Part Number 24400-05A  
SN1\*\*500\*EAμ  
REF\*LF\*210T9 POUμ  
REF\*RE\*10718146μ  
REF\*ZZ\*000100231μ  
CLD\*2\*250μ  
REF\*LS\*654321000087017μ  
REF\*LS\*654321000087018μ

HL Tare Loop 1  
Master Serial Number 654321000000100 associated  
with P/N 24500-05A.

HL Item Loop for P/N 24500-05A  
Total shipped quantity of 750

P/N 24500-05 Order Schedule Delivery Line Number  
000100122  
Shipped 2 containers with 375 pieces in each  
2 Container Serial Numbers

HL Tare Loop 2  
Master Serial Number 654321000000101 associated  
With P/N 24400-05A.

HL Item Loop for P/N 24400-05A  
Total shipped quantity 500

P/N 24400-05A Order Schedule Delivery Line Number  
000100231  
Shipped 2 containers with 250 pieces in each  
2 Container Serial Numbers

HL\*6\*1\*Τμ  
REF\*SE\*654321000000102μ  
PAL\*1\*\*\*1915\*LB\*\*\*\*\*1μ  
HL\*7\*6\*Ιμ  
LIN\*\*BP\*24300-05A\*DR\*0\*PO\*X000003179μ Part Number 24300-05A  
SN1\*\*500\*EAμ  
REF\*LF\*210T9 POUμ  
REF\*RE\*10718146μ  
REF\*ZZ\*000100050μ

HL Tare Loop 3  
Master Serial Number 654321000000102

HL Item Loop for P/N 24300-05A  
Total shipped quantity 500

P/N 24300-05A Order Schedule Delivery Line Number  
000100231

CLD\*2\*250μ  
REF\*LS\*654321000087019μ  
REF\*LS\*654321000087020μ

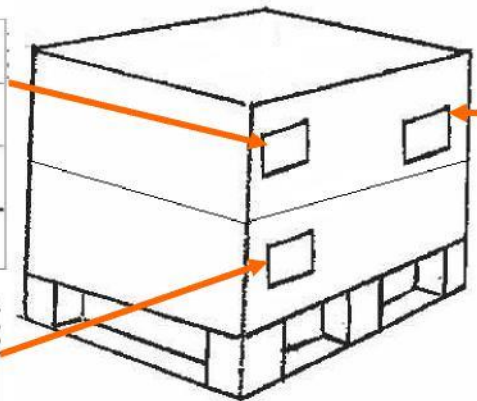
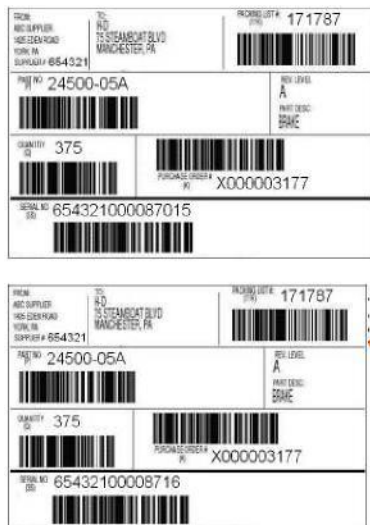
Shipped 2 containers with 250 pieces in each  
2 Container Serial Numbers

CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)

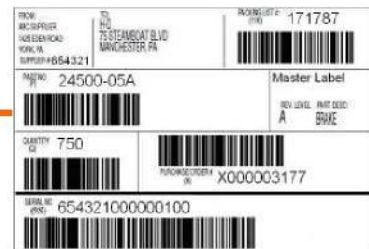
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)

### Data Sample 1 – Sample of How to Label Shipment

Container Labels



Master Label

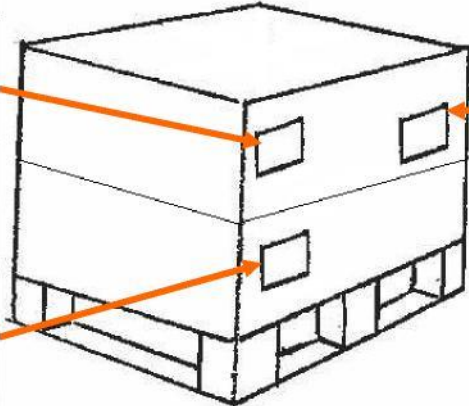


Container Label

FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24400-05A		REV. LEVEL: A
QUANTITY: 250	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003178		
SERIAL NO: 654321000087017		

FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24400-05A		REV. LEVEL: A
QUANTITY: 250	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003178		
SERIAL NO: 654321000087018		



Master Label

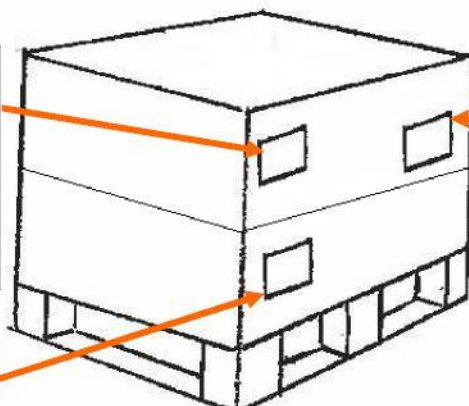
FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24400-05A		Master Label
QUANTITY: 500	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003178		
SERIAL NO: 654321000000101		

Container Labels

FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24300-05A		REV. LEVEL: A
QUANTITY: 250	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003179		
SERIAL NO: 654321000087019		

FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24300-05A		REV. LEVEL: A
QUANTITY: 250	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003179		
SERIAL NO: 654321000087020		



Master Label

FROM: ABC SUPPLY 100 COLUMBIA KING OF PRUSSIA, PA 19381	TO: ABC 35 STEAMBOAT BLVD MANCHESTER, PA	PO BOX / ZIP 171787
PART NO: 24300-05A		Master Label
QUANTITY: 500	PART DESC: 2016C 2016C	
PURCHASE ORDER # X000003179		
SERIAL NO: 654321000000102		

## Data Sample 2 – Current Firm Order, Bulk Shipment: One Part Number Shipped on Two Pallets

This scenario would be applicable to other bulk containers (i.e. ropak, pallet box, and etc.). A bulk container is large, must be moved by a fork truck, and contains one part number.

The below ASN reflects one part number shipped on two pallets. The part number has a unique order schedule line number. The shipment will require two Master Labels, one for each pallet. Details of the shipment are:

### Part Number 24500-05A

- Order Quantity is 1500
- Current Firm Order's Schedule Line Number 000100078
- Pallet 1: Master Label with Serial Number 654321000000100, total shipped quantity 750
  - Container 1 with Serial Number 654321000087015, total container quantity 375
  - Container 2 with Serial Number 654321000087016, total container quantity 375
- Pallet 2 has Master Serial Number 654321000000101, total shipped quantity 750
  - Container 3 with Serial Number 654321000087017, total container quantity 375
  - Container 4 with Serial Number 654321000087018, total container quantity 375

Below is how the ASN is to be set up:

```
BSN*00*171787*20120827*1822
DTM*011*20120827*1820
HL*1**S
MEA*PD*G*1923*LB
TD1*PAT*3
TD5*B*2*PITT*LT
REF*BM*892488
REF*CN*23987706
N1*SI**1*1001
N1*ST**92*1001SYC1
N1*SU**92*654321
REF*DK*SYC
HL*2*1*Tμ                               HL Tare Loop 1
REF*SE*654321000000100μ                 Pallet 1: Master Serial Number 654321000000100
                                         associated with P/N 24500-05A.

PAL*1****1384*LB*****1μ
HL*3*2*Iμ                               HL Item Loop for P/N 24500-05A
LIN**BP*24500-05A*DR*0*PO*X000003177μ Part Number 24500-05A
SN1**750*EAμ                             Total shipped quantity of 750
REF*LF*210T9 POUμ
REF*RE*10718146μ
REF*ZZ*000100078μ                       P/N 24500-05A Order Schedule Delivery Line Number
                                         000100078
```

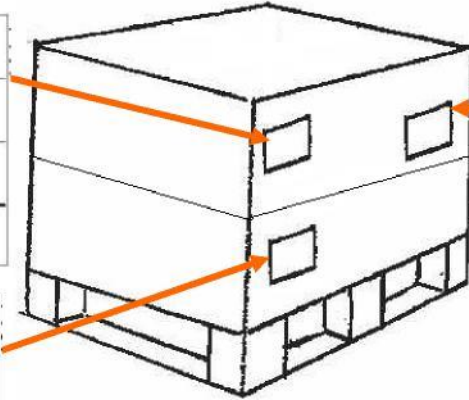
CLD*2*375μ	Shipped 2 containers with 375 pieces in each
REF*LS*654321000087015μ	2 Container Serial Numbers
REF*LS*654321000087016μ	
HL*4*1*Tμ	HL Tare Loop 2
REF*SE*654321000000101μ	Pallet 2: Master Serial Number 654321000000101 associated with P/N 24500-05A.
PAL*1****1384*LB*****1μ	
HL*5*4*Iμ	HL Item Loop for P/N 24500-05A
LIN*BP*24500-05A*DR*0*PO*X000003177μ	Part Number 24500-05A
SN1*750*EAμ	Total shipped quantity of 750
REF*LF*210T9 POUμ	
REF*RE*10718146μ	
REF*ZZ*000100078μ	P/N 24500-05A Order Schedule Delivery Line Number 000100078
CLD*2*375μ	Shipped 2 containers with 375 pieces in each
REF*LS*654321000087017μ	2 Container Serial Numbers
REF*LS*654321000087018μ	
CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)	
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)	

## Data Sample 2 – Sample of How to Label Shipment

Container Labels

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PURCHASE ORDER # X000003177
SERIAL NO 654321000087015		

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PURCHASE ORDER # X000003177
SERIAL NO 654321000087116		



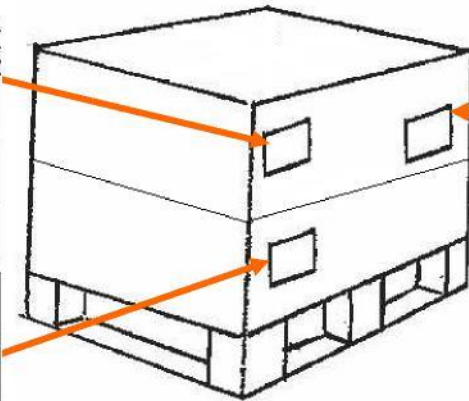
Master Label

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		Master Label
QUANTITY 750		REV LEVEL A
SERIAL NO 654321000000100		PURCHASE ORDER # X000003177

Container Labels

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PURCHASE ORDER # X000003177
SERIAL NO 654321000087017		

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PURCHASE ORDER # X000003177
SERIAL NO 654321000087018		



Master Label

FROM ABC SUPPLIER 145 DENVER RD YORK PA SUPPLIER# 654321	TO NO 75 STEWART BLVD MANCHESTER, PA	POUNDS (LBS) 171787
PART NO 24500-05A		Master Label
QUANTITY 750		REV LEVEL A
SERIAL NO 654321000000101		PURCHASE ORDER # X000003177

## Data Sample 3 – Current Firm Order, Bulk Shipment: Pallet with Partial Container

This scenario would be applicable to other bulk containers (i.e. ropak, pallet box, and etc.) A bulk container is large, must be moved by a fork truck, and contains one part number.

The below ASN reflects one part number shipped on one pallet with one full container and the other a partial container. The part number has a unique order schedule line number. The shipment will require one Master Label for the pallet. Details of the shipment are:

Part Number 24500-05A

- Order Quantity is 750
- Current Firm Order's Schedule Line Number 000100230
- Supplier unable to fulfill the entire order of 750 and is sending 525, which is available
- Pallet 1: Master Label with Serial Number 654321000000101, total shipped quantity 525
  - Container 1 with Serial Number 654321000087015, total container quantity 375
  - Container 2 with Serial Number 654321000087016, total container quantity 150

Below is how the ASN is to be set up:

```
BSN*00*171787*20110823*1352µ
DTM*011*20110720*1352µ
HL*1**Sµ
MEA*PD*G*5221*LBµ
TD1*PAT*1µ
TD5*B*2*HECI*Mµ
TD4*123*D*1234µ
REF*BM*86NXA8659ZY976µ
REF*CN*171787µ
N1*SI**92*1001µ
N1*ST**92*1001S002µ
N1*SU**92*654321µ
REF*DK*P16µ
SAC*C*G830*240µ
HL*2*1*Tµ
REF*SE*654321000000101µ
HL Tare Loop 1
Master Serial Number 654321000000101 associated
With P/N 24500-05A

PAL*1****1384*LB*****1µ
HL*3*2*Iµ
05A*DR*0*PO*X000003177µ Part Number 24500-05A
SN1**525*EAµ
REF*LF*210T9 POUµ
REF*RE*10718146µ
REF*ZZ*000100230µ
P/N 24500-05A Order Schedule Delivery Line Number
000100230
Shipped 1 container with 375

CLD*1*375µ
```

REF\*LS\*654321000087015µ 1 Container Serial Number  
 CLD\*1\*150µ Shipped 1 container with 150  
 REF\*LS\*654321000087016µ 1 Container Serial Number  
 CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)  
 SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)

### Data Sample 3 – Sample of How to Label Shipment

Container Labels

FROM: ABC SUPPLIER ABC SUPPLIER 100 STEAMBOAT BLVD WINGCHSTER, PA SUPPLIER# 654321		TO: 123 123 STEAMBOAT BLVD WINGCHSTER, PA		PROBNO LIT# (171787)
PART NO: 24500-05A		REV LEVEL: A		PART DESC: BRAC
QUANTITY (375)	PACKAGE SERIAL# (X000003177)		SERIAL NO (654321000087015)	

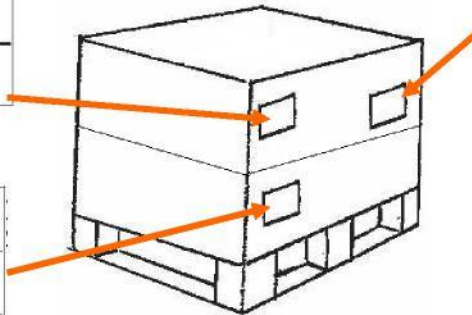
The above label reflects a full container quantity.

FROM: ABC SUPPLIER ABC SUPPLIER 100 STEAMBOAT BLVD WINGCHSTER, PA SUPPLIER# 654321		TO: 123 123 STEAMBOAT BLVD WINGCHSTER, PA		PROBNO LIT# (171787)
PART NO: 24500-05A		REV LEVEL: A		PART DESC: BRAC
QUANTITY (150)	PACKAGE SERIAL# (X000003177)		SERIAL NO (65432100008716)	

The above label reflects a partial container quantity.

Master Label

FROM: ABC SUPPLIER ABC SUPPLIER 100 STEAMBOAT BLVD WINGCHSTER, PA SUPPLIER# 654321		TO: 123 123 STEAMBOAT BLVD WINGCHSTER, PA		PROBNO LIT# (171787)
PART NO: 24500-05A		REV LEVEL: A		PART DESC: BRAC
QUANTITY (525)	PACKAGE SERIAL# (X000003177)		SERIAL NO (654321000000101)	



## Data Example 4 – Current Firm Order, Mixed Pallet Shipment: Two Part Numbers Shipped on One Pallet

Below is an ASN that reflects one pallet with two part numbers. Each part number has a different order schedule line number. The shipment will require two Master Label, one for part number in the shipment. Each container on the pallet will require a Container Label. Details of the shipment are:

### Part Number 11111-11

- Order Quantity is 120
- Current Order's Schedule Line Number 000100022
- Master Label 1 – Master Serial Number 654321015209528 total shipped quantity 100
  - 12 Container Labels with Serial Numbers 123456000000025 – 123456000000036, each label containing a quantity of 10

### Part Number 22222-22

- Order Quantity is 120
- Current Order's Schedule Line Number 000100035
- Master Label 2 – Master Serial Number 654321015209529, total shipped quantity 120
  - 12 Container Labels with Serial Numbers 123456000000037 – 123456000000048, each label containing a quantity of 10

Below is how the ASN is to be set up:

```
BSN*00*892488*20120827*1822
DTM*011*20120827*1820
HL*1**S
MEA*PD*G*1923*LB
TD1*PAT*3
TD5*B*2*PITT*LT
REF*BM*892488
REF*CN*23987706
N1*SI**1*1001
N1*ST**92*1001SYC1
N1*SU**92*654321
REF*DK*SYC
HL*2*1*T
REF*SE*654321015209528
HL Tare Loop 1
Master Serial Number 654321015209528 associated with
P/N 11111-11

PAL*1****548*LB*****1
HL*3*2*I
Item Loop for P/N 11111-11
LIN**BP*11111-11***PO*5500004916 P/N 11111-11
SN1**120*EA
Total shipped quantity of 120
REF*RE*10
REF*ZZ*000100022µ
P/N 11111-11 Order Schedule Delivery Line Number
000100022
```

---

CLD\*12\*10 Shipped in 12 containers with 10 pieces in each  
REF\*LS\*123456000000025 12 Container Serial Numbers  
REF\*LS\*123456000000026  
REF\*LS\*123456000000027  
REF\*LS\*123456000000028  
REF\*LS\*123456000000029  
REF\*LS\*123456000000030  
REF\*LS\*123456000000031  
REF\*LS\*123456000000032  
REF\*LS\*123456000000033  
REF\*LS\*123456000000034  
REF\*LS\*123456000000035  
REF\*LS\*123456000000036  
HL\*4\*1\*T HL Tare Loop 2  
REF\*SE\*654321015209529 Master Serial Number 654321015209529 associated with  
P/N 22222-22

PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1  
HL\*5\*4\*I Item Loop for P/N 22222-22  
LIN\*\*BP\*22222-22\*\*\*PO\*5500004918 P/N 22222-22  
SN1\*\*120\*EA Total shipped quantity of 120  
REF\*RE\*5  
REF\*ZZ\*000100035µ P/N 22222-22 Order Schedule Delivery Line Number  
000100035

CLD\*12\*10 Shipped in 12 containers with 10 pieces in each  
REF\*LS\*123456000000037 12 Container Serial Numbers  
REF\*LS\*123456000000038 REF\*LS\*123456000000039 REF\*LS\*123456000000040  
REF\*LS\*123456000000041 REF\*LS\*123456000000042 REF\*LS\*123456000000043  
REF\*LS\*123456000000044 REF\*LS\*123456000000045 REF\*LS\*123456000000046  
REF\*LS\*123456000000047 REF\*LS\*123456000000048 CTT (Segment created by your EDI translator.  
For additional information please reference Page 25 in  
this spec.)  
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this  
spec.)

## Data Sample 4 – Sample of How to Label Shipment

### Master Labels

One for each part number on pallet and placed in an envelope.

### Container Labels

FROM: ABC SUPPLIER 145 CENTER ROAD YORK, PA SUPPLIER # 654321		TO: XYZ 75 STEAMBOAT BLVD MANCHESTER, PA		PACKING LIST # 892488	
PART NO: 11111-11		REV LEVEL: A		PART DESC: SPARE	
QUANTITY: 10		PURCHASE ORDER # 5500004916		SERIAL NO (PIN): 65432100000019	

Each box containing this part number must have a Container Label attached.

FROM: ABC SUPPLIER 145 CENTER ROAD YORK, PA SUPPLIER # 654321		TO: XYZ 75 STEAMBOAT BLVD MANCHESTER, PA		PACKING LIST # 892488	
PART NO: 22222-22		REV LEVEL: A		PART DESC: SPARE	
QUANTITY: 10		PURCHASE ORDER # 5500004918		SERIAL NO (PIN): 654321000000034	

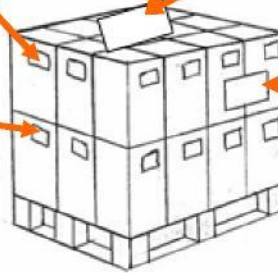
Each box containing this part number must have a Container Label attached.

### Master Label 1

FROM: ABC SUPPLIER 145 CENTER ROAD YORK, PA SUPPLIER # 654321		TO: XYZ 75 STEAMBOAT BLVD MANCHESTER, PA		PACKING LIST # 892488	
PART NO: 11111-11		Master Label		REV LEVEL: A PART DESC: SPARE	
QUANTITY: 120		PURCHASE ORDER # 5500004916		SERIAL NO (PIN): 654321015209528	

### Master Label 2

FROM: ABC SUPPLIER 145 CENTER ROAD YORK, PA SUPPLIER # 654321		TO: XYZ 75 STEAMBOAT BLVD MANCHESTER, PA		PACKING LIST # 892488	
PART NO: 22222-22		Master Label		REV LEVEL: A PART DESC: SPARE	
QUANTITY: 120		PURCHASE ORDER # 5500004918		SERIAL NO (PIN): 654321015209529	



**MIXED  
LOAD**

## Data Example 5 – Current Firm Order, Mixed Pallet and Bulk Shipment: Three Part Numbers Shipped on Two Pallets

Below is an ASN that reflects two pallets (one mixed pallet and one pallet with one part number), with three part numbers. Each part number has a different order schedule line number. The shipment will require three Master Label, one for part number in the shipment. Each container on the pallet will require a Container Label. Details of the shipment are:

### Part Number 12345-67

- Order Quantity is 240
- Current Firm Order's Schedule Line Number 000100100
- Pallet 1: Master Label with Serial Number 654321015209527, total shipped quantity 240
  - 24 Container Labels with Serial Numbers 123456000000001 – 123456000000002, each label containing a quantity of 10

### Part Number 11111-11

- Order Quantity is 120
- Current Order's Schedule Line Number 000100022
- Pallet 2: Master Label with Serial Number 654321015209528, total shipped quantity 120
  - 12 Container Labels with Serial Numbers 123456000000025 – 123456000000036, each label containing a quantity of 10

### Part Number 22222-22

- Order Quantity is 120
- Current Order's Schedule Line Number 000100035
- Pallet 2: Master Label with Serial Number 654321015209529, total shipped quantity 120
  - 12 Container Labels with Serial Numbers 123456000000037 – 123456000000048, each label containing a quantity of 10

Below is how the ASN is to be set up:

BSN\*00\*892488\*20120827\*1822  
DTM\*011\*20120827\*1820  
HL\*1\*\*S  
MEA\*PD\*G\*1923\*LB  
TD1\*PAT\*3  
TD5\*B\*2\*PITT\*LT  
REF\*BM\*892488  
REF\*CN\*23987706  
N1\*SI\*\*1\*1001  
N1\*ST\*\*92\*1001SYC1  
N1\*SU\*\*92\*654321  
REF\*DK\*SYC  
HL\*2\*1\*T  
REF\*SE\*654321015209527  
PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1  
HL\*3\*2\*I  
LIN\*\*BP\*12345-67\*\*\*PO\*5500001234 P/N 12345-67  
SN1\*\*240\*EA  
REF\*RE\*10  
REF\*ZZ\*000100100µ  
CLD\*24\*10  
REF\*LS\*123456000000001  
REF\*LS\*123456000000002  
REF\*LS\*123456000000003  
REF\*LS\*123456000000004  
REF\*LS\*123456000000005  
REF\*LS\*123456000000006  
REF\*LS\*123456000000007  
REF\*LS\*123456000000008  
REF\*LS\*123456000000009  
REF\*LS\*123456000000010  
REF\*LS\*123456000000011  
REF\*LS\*123456000000012  
REF\*LS\*123456000000013  
REF\*LS\*123456000000014  
REF\*LS\*123456000000015  
REF\*LS\*123456000000016  
REF\*LS\*123456000000017  
REF\*LS\*123456000000018  
REF\*LS\*123456000000019  
REF\*LS\*123456000000020  
REF\*LS\*123456000000021  
REF\*LS\*123456000000022  
REF\*LS\*123456000000023  
REF\*LS\*123456000000024  
HL\*4\*1\*T  
REF\*SE\*654321015209528  
PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1  
HL\*5\*4\*I  
LIN\*\*BP\*11111-11\*\*\*PO\*5500004916 P/N 11111-11  
SN1\*\*120\*EA

HL Tare Loop 1  
Master Serial Number 123456015209527 associated with  
P/N 12345-67

Item Loop for P/N 12345-67  
Total shipped quantity of 240  
P/N 12345-67 Order Schedule Delivery Line Number  
\*000100100  
Shipped in 24 containers with 10 pieces in each on a pallet.  
24 Container Serial Numbers

HL Tare Loop 2  
Master Serial Number 654321015209528 associated with  
P/N 11111-11

Item Loop for P/N 11111-11  
Total shipped quantity of 120

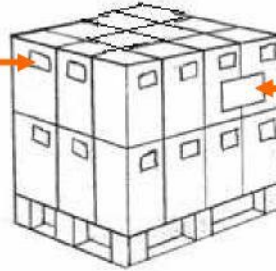
REF\*RE\*10  
REF\*ZZ\*000100022μ P/N 11111-11 Order Schedule Delivery Line Number  
000100022  
CLD\*12\*10 Shipped in 12 containers with 10 pieces in each  
REF\*LS\*123456000000025 Unique container serial numbers  
REF\*LS\*123456000000026  
REF\*LS\*123456000000027  
REF\*LS\*123456000000028  
REF\*LS\*123456000000029  
REF\*LS\*123456000000030  
REF\*LS\*123456000000031  
REF\*LS\*123456000000032  
REF\*LS\*123456000000033  
REF\*LS\*123456000000034  
REF\*LS\*123456000000035  
REF\*LS\*123456000000036  
HL\*6\*1\*T HL Tare Loop 3  
REF\*SE\*654321015209529 Master Serial Number 654321015209529 associated with  
P/N 22222-22  
PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1  
HL\*7\*6\*I Item Loop for P/N 22222-22  
LIN\*\*BP\*22222-22\*\*\*PO\*5500004918 P/N 22222-22  
SN1\*\*120\*EA Total shipped quantity of 120  
REF\*RE\*5  
REF\*ZZ\*000100035μ P/N 22222-22 Order Schedule Delivery Line Number  
000100035  
CLD\*12\*10 Shipped in 12 containers with 10 pieces in each  
REF\*LS\*123456000000037 Unique container serial numbers  
REF\*LS\*123456000000038 REF\*LS\*123456000000039 REF\*LS\*123456000000040  
REF\*LS\*123456000000041 REF\*LS\*123456000000042 REF\*LS\*123456000000043  
REF\*LS\*123456000000044 REF\*LS\*123456000000045 REF\*LS\*123456000000046  
REF\*LS\*123456000000047 REF\*LS\*123456000000048 CTT (Segment created by your EDI translator.  
For additional information please reference Page 25 in  
this spec.)  
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this  
spec.)

## Data Sample 5 – Sample of How to Label Shipment

### Pallet 1

#### Container Label

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 12345-67	REV. LEVEL A	PART DESC: BRAKE
QUANTITY (Q) 10	PURCHASE ORDER # (O) 5500001234	
SERIAL NO (S) 65432100000001		



#### Master Label

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 12345-67	Master Label	
QUANTITY (Q) 240	REV. LEVEL PART DESC: A BRAKE	
PURCHASE ORDER # (O) 5500001234		
SERIAL NO (S) 654321015209527		

Each box on the pallet will must have a Container Label attached.

### Pallet 2 – Mixed Pallet

#### Master Labels

One for each part number on pallet and placed in an envelope.

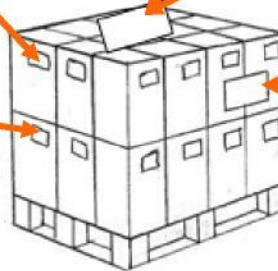
#### Container Labels

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 11111-11	Master Label	
QUANTITY (Q) 10	REV. LEVEL PART DESC: A BRAKE	
PURCHASE ORDER # (O) 5500004916		
SERIAL NO (S) 654321000000025		

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 11111-11	Master Label	
QUANTITY (Q) 120	REV. LEVEL PART DESC: A BRAKE	
PURCHASE ORDER # (O) 5500004916		
SERIAL NO (S) 654321015209528		

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 22222-22	Master Label	
QUANTITY (Q) 120	REV. LEVEL PART DESC: A BRAKE	
PURCHASE ORDER # (O) 5500004918		
SERIAL NO (S) 654321015209529		

Each box containing this part number must have a Container Label attached.



**MIXED  
LOAD**

FROM: ABC SUPPLIER 145 EDEN ROAD YORK, PA SUPPLIER # 654321	TO: H/O 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST # (TY) 892488
PART NO 22222-22	Master Label	
QUANTITY (Q) 10	REV. LEVEL PART DESC: A BRAKE	
PURCHASE ORDER # (O) 5500004918		
SERIAL NO (S) 654321000000037		

Each box containing this part number must have a Container Label attached.

## Data Example 6 – Current Firm Order, Loose Containers: Part Number in Loose Containers

The below ASN reflects one part number shipped in three small loose containers via United Parcel Service (or similar carrier). The part number has a unique order schedule line number. The shipment will require one Master Label summarizing the contents in the three loose containers. Details of the shipment are:

Part Number 33333-33

- Order Quantity is 30
- Current Firm Order's Schedule Line Number 000100005
- Container 1: Container Label with Serial Number 654321000000001, container quantity of 10
- Container 2: Container Label with Serial Number 654321000000002, container quantity of 10
- Container 3:
  - Container Label with Serial Number 654321000000003, container quantity of 10
  - Master Label with Serial Number 654321015209527, total shipped quantity of 30

Below is how the ASN is to be set up:

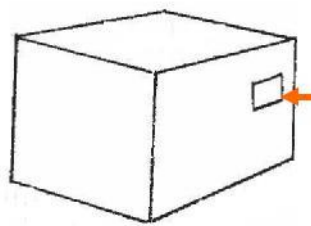
```
BSN*00*892488*20120827*1822
DTM*011*20120827*1820
HL*1**S
MEA*PD*G*1923*LB
TD1*PAT*3
TD5*B*2*PITT*LT
REF*BM*892488
REF*CN*23987706
N1*SI**1*1001
N1*ST**92*1001SYC1
N1*SU**92*654321
REF*DK*SYC
HL*2*1*T
REF*SE*654321015209527
HL Tare Loop 1
Master Serial Number 654321015209527 associated with
P/N 33333-33
PAL*1****576*LB*****1
HL*3*2*I
Item Loop for P/N 33333-33
LIN**BP*33333-33**PO*5500001234 P/N 33333-33
SN1**30*EA
Total shipped quantity of 30
REF*RE*10
REF*ZZ*000100005µ
P/N 33333-33 Order Schedule Delivery Line Number
000100005
CLD*3*10
Shipped in 3 containers with 10 pieces in each
3 Container Serial Numbers
REF*LS*654321000000001
REF*LS*654321000000002
REF*LS*654321000000003
```

CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)

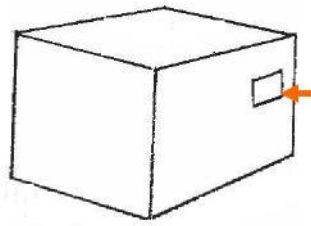
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)

## Data Sample 6 – Sample of How to Label Shipment

### Container Labels



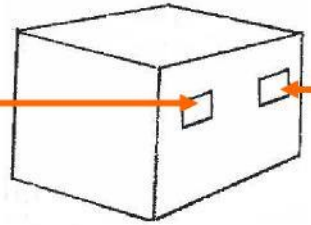
FROM: ABC SUPPLIER 145 GLEN ROAD YORK, PA SUPPLIER # 654321	TO: H/D 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST #: (176) 892488 
PART NO (9) 33333-33 		REV. LEVEL A PART DESC: BRAKE
QUANTITY (3) 10 	PURCHASE ORDER # (9) 5500001234 	
SERIAL NO (38) 654321000000001 		



FROM: ABC SUPPLIER 145 GLEN ROAD YORK, PA SUPPLIER # 654321	TO: H/D 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST #: (176) 892488 
PART NO (9) 33333-33 		REV. LEVEL A PART DESC: BRAKE
QUANTITY (3) 10 	PURCHASE ORDER # (9) 5500001234 	
SERIAL NO (38) 654321000000002 		

### Master Label

FROM: ABC SUPPLIER 145 GLEN ROAD YORK, PA SUPPLIER # 654321	TO: H/D 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST #: (176) 892488 
PART NO (9) 33333-33 		Master Label REV. LEVEL PART DESC: A BRAKE
QUANTITY (3) 30 	PURCHASE ORDER # (9) 5500001234 	
SERIAL NO (38) 654321015209527 		



FROM: ABC SUPPLIER 145 GLEN ROAD YORK, PA SUPPLIER # 654321	TO: H/D 75 STEAMBOAT BLVD MANCHESTER, PA	PACKING LIST #: (176) 892488 
PART NO (9) 33333-33 		REV. LEVEL A PART DESC: BRAKE
QUANTITY (3) 10 	PURCHASE ORDER # (9) 5500001234 	
SERIAL NO (38) 654321000000003 		

## Data Example 7 – Current Firm Order, Loose Containers: Two Part Numbers Shipped in Five Loose Containers

The below ASN reflects two part number shipped in five small loose containers via United Parcel Service (or similar carrier). Each part number has a unique order schedule line number. The shipment will require two Master Label, one for each part number, summarizing the contents in the loose containers. Details of the shipment are:

### Part Number 33333-33

- Order Quantity is 30
- Current Firm Order's Schedule Line Number 000100123
- Container 1: Container Label with Serial Number 654321000000001, container quantity of 10
- Container 2: Container Label with Serial Number 654321000000002, container quantity of 10
- Container 3:
  - Container Label with Serial Number 654321000000003, container quantity of 10
  - Master Label with Serial Number 654321015209527, total shipped quantity of 30

### Part Number 24300-05A

- Order Quantity is 20
- Current Firm Order's Schedule Line Number 000100150
- Container 1: Container Label with Serial Number 654321000000019, container quantity of 10
- Container 2:
  - Container Label with Serial Number 654321000000020, container quantity of 10
  - Master Label with Serial Number 654321100000102, total shipped quantity of 30

Below is how the ASN is to be set up:

BSN\*00\*892488\*20120827\*1822  
DTM\*011\*20120827\*1820  
HL\*1\*\*S  
MEA\*PD\*G\*1923\*LB  
TD1\*PAT\*3  
TD5\*B\*2\*PITT\*LT  
REF\*BM\*892488  
REF\*CN\*23987706  
N1\*SJ\*\*1\*1001  
N1\*ST\*\*92\*1001SYC1  
N1\*SU\*\*92\*654321  
REF\*DK\*SYC  
HL\*2\*1\*T  
REF\*SE\*654321015209527  
HL Tare Loop 1  
Master Serial Number 654321015209527 associated with  
P/N 33333-33  
  
PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1  
HL\*3\*2\*I  
LIN\*\*BP\*33333-33\*\*\*PO\*5500001234 P/N 33333-33  
SN1\*\*30\*EA  
REF\*RE\*10  
REF\*ZZ\*000100123µ  
Item Loop for P/N 33333-33  
Total shipped quantity of 30  
P/N 33333-33 Order Schedule Delivery Line Number  
000100123  
Shipped in 3 containers with 10 pieces in each  
3 Container Serial Numbers  
  
CLD\*3\*10  
REF\*LS\*654321000000001  
REF\*LS\*654321000000002  
REF\*LS\*654321000000003  
HL\*4\*1\*T  
REF\*SE\*654321100000102  
HL Tare Loop 2  
Master Serial Number 654321100000102 associated with  
P/N 24300-05A  
  
PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1  
HL\*5\*4\*I  
LIN\*\*BP\*24300-05A\*\*\*PO\*X000003179 P/N 24300-05A  
SN1\*\*20\*EA  
REF\*RE\*10  
REF\*ZZ\*000100150µ  
Item Loop for P/N 24300-05A  
Total shipped quantity of 20  
P/N 24300=05A Order Schedule Delivery Line Number  
000100150  
Shipped in 2 containers with 10 pieces in each  
2 Container Serial Numbers  
  
CLD\*2\*10  
REF\*LS\*654321000087019  
REF\*LS\*654321000087020  
CTT (Segment created by your EDI translator. For additional information please reference Page 25 in  
this spec.)  
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this  
spec.)

## Data Sample 7 – Sample of How to Label Shipment

**Container Labels**                      **Master Label**

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321</td> <td style="font-size: 8px;">TO: 42 73 STEAMCAT BLVD MANCHESTER, PA</td> <td style="font-size: 8px;">MANUFACTURE DATE: 892488</td> </tr> <tr> <td colspan="2">PART NO: 33333-33</td> <td>REV: 0000 A</td> </tr> <tr> <td>QUANTITY: 10</td> <td>PACKAGE CODE: 5500001234</td> <td>ANT: 0000 0000</td> </tr> <tr> <td colspan="3">SERIAL NO: 654321000000001</td> </tr> </table>	FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488	PART NO: 33333-33		REV: 0000 A	QUANTITY: 10	PACKAGE CODE: 5500001234	ANT: 0000 0000	SERIAL NO: 654321000000001			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321</td> <td style="font-size: 8px;">TO: 42 73 STEAMCAT BLVD MANCHESTER, PA</td> <td style="font-size: 8px;">MANUFACTURE DATE: 892488</td> </tr> <tr> <td colspan="2">PART NO: 33333-33</td> <td>Master Label</td> </tr> <tr> <td>QUANTITY: 30</td> <td>PACKAGE CODE: 5500001234</td> <td>REV: 0000 A</td> </tr> <tr> <td colspan="3">SERIAL NO: 654321015209527</td> </tr> </table>	FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488	PART NO: 33333-33		Master Label	QUANTITY: 30	PACKAGE CODE: 5500001234	REV: 0000 A	SERIAL NO: 654321015209527		
FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488																							
PART NO: 33333-33		REV: 0000 A																							
QUANTITY: 10	PACKAGE CODE: 5500001234	ANT: 0000 0000																							
SERIAL NO: 654321000000001																									
FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488																							
PART NO: 33333-33		Master Label																							
QUANTITY: 30	PACKAGE CODE: 5500001234	REV: 0000 A																							
SERIAL NO: 654321015209527																									

Each box containing this part number must have a Container Label attached.

**Container Labels**                      **Master Label**

<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321</td> <td style="font-size: 8px;">TO: 42 73 STEAMCAT BLVD MANCHESTER, PA</td> <td style="font-size: 8px;">MANUFACTURE DATE: 892488</td> </tr> <tr> <td colspan="2">PART NO: 24300-05A</td> <td>REV: 0000 A</td> </tr> <tr> <td>QUANTITY: 10</td> <td>PACKAGE CODE: X000003179</td> <td>ANT: 0000 0000</td> </tr> <tr> <td colspan="3">SERIAL NO: 654321000067019</td> </tr> </table>	FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488	PART NO: 24300-05A		REV: 0000 A	QUANTITY: 10	PACKAGE CODE: X000003179	ANT: 0000 0000	SERIAL NO: 654321000067019			<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="font-size: 8px;">FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321</td> <td style="font-size: 8px;">TO: 42 73 STEAMCAT BLVD MANCHESTER, PA</td> <td style="font-size: 8px;">MANUFACTURE DATE: 892488</td> </tr> <tr> <td colspan="2">PART NO: 24300-05A</td> <td>Master Label</td> </tr> <tr> <td>QUANTITY: 20</td> <td>PACKAGE CODE: X000003179</td> <td>REV: 0000 A</td> </tr> <tr> <td colspan="3">SERIAL NO: 654321000000102</td> </tr> </table>	FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488	PART NO: 24300-05A		Master Label	QUANTITY: 20	PACKAGE CODE: X000003179	REV: 0000 A	SERIAL NO: 654321000000102		
FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488																							
PART NO: 24300-05A		REV: 0000 A																							
QUANTITY: 10	PACKAGE CODE: X000003179	ANT: 0000 0000																							
SERIAL NO: 654321000067019																									
FROM: 480 SUPPLIER 480 00000000 VOK PA SUPPLIER # 654321	TO: 42 73 STEAMCAT BLVD MANCHESTER, PA	MANUFACTURE DATE: 892488																							
PART NO: 24300-05A		Master Label																							
QUANTITY: 20	PACKAGE CODE: X000003179	REV: 0000 A																							
SERIAL NO: 654321000000102																									

Each box containing this part number must have a Container Label attached.

## Data Sample 8 – Two Orders, Bulk Shipment: One Part Number Shipped on Multiple Pallets

The two orders can be:

- a past due order and a current firm order, or
- current firm order and a future firm order

This scenario would be applicable to other bulk containers (i.e. ropak, pallet box, pallet, and etc.). A bulk container is large, must be moved by a fork truck, and contains one part number.

The below ASN reflects one part number shipped on two pallets against a past due order and a current/future firm order. There will be two unique order schedule line numbers since two orders are being shipped. The shipment will require two Master Label, one for each ropak. Details of the shipment are:

Part Number 24500-05A

- Order 1 is 750
- Order 1's Schedule Line Number is 000100125
- Order 2 is 750
- Order 2's Schedule Delivery Line is 000100100
- Pallet 1
  - Order 1's Schedule Line Number 000100125
  - Master Serial Number 65432100000100, total shipped quantity of 750
  - Container Serial Numbers 654321000087015 and 654321000087016, each label containing a quantity of 375
- Pallet 2
  - Order 2's Schedule Line Number 000100100
  - Master Serial Number 654321000000101, total shipped quantity of 750
  - Container Serial Numbers 654321000087017 and 654321000087018, each label containing a quantity of 375

Below is how the ASN is to be set up:

BSN\*00\*892488\*20120827\*1822  
DTM\*011\*20120827\*1820  
HL\*1\*\*S  
MEA\*PD\*G\*1923\*LB  
TD1\*PAT\*3  
TD5\*B\*2\*PITT\*LT  
REF\*BM\*892488  
REF\*CN\*23987706  
N1\*SI\*\*1\*1001  
N1\*ST\*\*92\*1001SYC1  
N1\*SU\*\*92\*654321  
REF\*DK\*SYC  
HL\*2\*1\*T  
REF\*SE\*654321015209527

HL Tare Loop 1 for Pallet 1  
Master Serial Number 123456015209527 associated  
with P/N 24500-05A

PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1

HL\*3\*2\*I

LIN\*\*BP\*24500-05A\*\*\*PO\*X000003177

SN1\*\*750\*EA

REF\*RE\*354

REF\*ZZ\*000100125μ

CLD\*2\*375

REF\*LS\*654321000087015μ

REF\*LS\*654321000087016μ

HL\*4\*1\*T

REF\*SE\*654321000000101

Item Loop for P/N 24500-05A

P/N 24500-05A

Total shipped quantity of 750

Order 1's Schedule Line Number 000100125

Two containers with a quantity of 375 in each

2 Container Serial Numbers

HL Tare Loop 3 for Pallet 2

Master Serial Number 654321000000101 associated  
with P/N 24500-05A

PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1

HL\*5\*4\*I

LIN\*\*BP\*24500-05A\*\*\*PO\*X000003177

SN1\*\*750\*EA

REF\*RE\*10

REF\*ZZ\*000100100μ

CLD\*2\*375

REF\*LS\*654321000087017μ

REF\*LS\*654321000087018μ

Item Loop for P/N 24500-05A

P/N 24500-05A

Total shipped quantity of 750

Order 2's Schedule Line Number 000100100

Two containers with a quantity of 375 in each.

2 Container Serial Numbers

CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)

SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)

## Data Sample 8 – Sample of How to Label Shipment

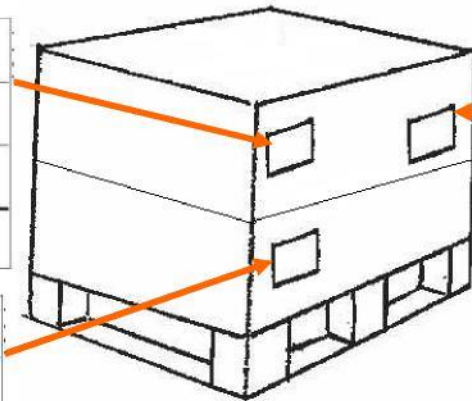
### Pallet 1 – Past Due Order

#### Container Labels

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PART DESC BRAC
SERIAL NO 654321000087015		PACKAG CDE X000003177

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PART DESC BRAC
SERIAL NO 65432100008716		PACKAG CDE X000003177



#### Master Label

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		Master Label
QUANTITY 750		REV LEVEL A
SERIAL NO 65432100000100		PART DESC BRAC
PACKAG CDE X000003177		

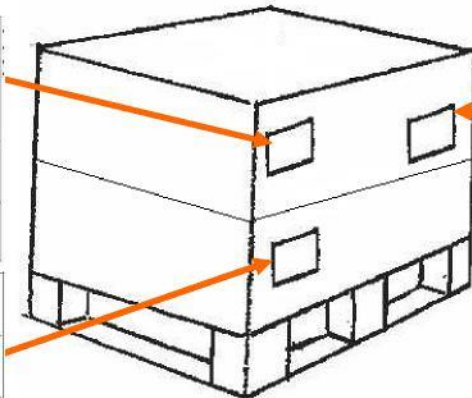
### Pallet 2 – Current Firm Order

#### Container Labels

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PART DESC BRAC
SERIAL NO 654321000087017		PACKAG CDE X000003177

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		REV LEVEL A
QUANTITY 375		PART DESC BRAC
SERIAL NO 654321000087018		PACKAG CDE X000003177



#### Master Label

FROM: ABC SUPPLIER 145 GLEN ROAD YORK PA SUPPLIER # 654321	TO: 123 STEAMCAT BLVD MANCHESTER, PA	ROW/LIST # (171) 171787
PART NO 24500-05A		Master Label
QUANTITY 750		REV LEVEL A
SERIAL NO 65432100000101		PART DESC BRAC
PACKAG CDE X000003177		

## Data Sample 9 – Two Orders, Mixed Pallet Shipment: One Part Number, Multiple Orders Shipped on One Pallet

The two orders can be:

- a past due order and a current firm order, or
- current firm order and a future firm order

The below ASN reflects one part number shipped on one pallets against a past due order and a current/future firm order. There will be two unique order schedule line numbers since two orders are being shipped. The shipment will require two Master Labels, one for each part number/schedule delivery line number. Details of the shipment are:

Part Number 11111-11

- Order 1 is 120
- Order 1's Schedule Line Number 000100125
- Order 2 is 120
- Order 2's Schedule Line Number 000100100
  - Master Label 1 – Serial Number 654321015209528, total shipped quantity of 120
    - Order 1's Schedule Line Number 000100125
    - Container Serial Numbers 654321000087001 – 654321000087012, each label containing a quantity of 10
  - Master Label 2 – Serial Number 654321015209529, total shipped quantity of 120
    - Order 2's Schedule Line Number 000100125
    - Container Serial Numbers 654321000087013 – 654321000087024, total shipped quantity of 120

Below is how the ASN is to be set up:

BSN\*00\*892488\*20120827\*1822  
DTM\*011\*20120827\*1820  
HL\*1\*\*S  
MEA\*PD\*G\*1923\*LB  
TD1\*PAT\*3  
TD5\*B\*2\*PITT\*LT  
REF\*BM\*892488  
REF\*CN\*23987706  
N1\*SI\*\*1\*1001  
N1\*ST\*\*92\*1001SYC1  
N1\*SU\*\*92\*654321  
REF\*DK\*SYC  
HL\*2\*1\*T  
REF\*SE\*654321015209528  
  
PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1  
HL\*3\*2\*I

HL Tare Loop 1 for Master Label 1  
Master Serial Number 123456015209528 associated  
with P/N 11111-11  
  
Item Loop for P/N 11111-11

LIN\*\*BP\*11111-11\*\*\*PO\*5500004916  
SN1\*\*120\*EA  
REF\*RE\*354  
REF\*ZZ\*000100125μ  
CLD\*12\*10  
REF\*LS\*654321000087001μ  
REF\*LS\*654321000087002μ  
REF\*LS\*654321000087003μ  
REF\*LS\*654321000087004μ  
REF\*LS\*654321000087005μ  
REF\*LS\*654321000087006μ  
REF\*LS\*654321000087007μ  
REF\*LS\*654321000087008μ  
REF\*LS\*654321000087009μ  
REF\*LS\*654321000087010μ  
REF\*LS\*654321000087011μ  
REF\*LS\*654321000087012μ  
HL\*4\*1\*T  
REF\*SE\*654321015209529

P/N 11111-11  
Total shipped quantity of 120  
  
Order 1's Schedule Line Number 000100125  
12 containers with a quantity of 10 in each  
12 Container Serial Numbers

HL Tare Loop 3 for Master Label 2  
Master Serial Number 654321015209529 associated  
with P/N 11111-11

PAL\*1\*\*\*\*548\*LB\*\*\*\*\*1  
HL\*5\*4\*I  
LIN\*\*BP\*11111-11\*\*\*PO\*5500004916  
SN1\*\*120\*EA  
REF\*RE\*10  
REF\*ZZ\*000100100μ  
CLD\*12\*10  
REF\*LS\*654321000087013μ  
REF\*LS\*654321000087014μ REF\*LS\*654321000087015μ REF\*LS\*654321000087016μ  
REF\*LS\*654321000087017μ REF\*LS\*654321000087018μ REF\*LS\*654321000087019μ  
REF\*LS\*654321000087020μ REF\*LS\*654321000087021μ REF\*LS\*654321000087022μ  
REF\*LS\*654321000087023μ REF\*LS\*654321000087024μ CTT (Segment created by your EDI translator.  
For additional information please reference Page 25 in  
this spec.)  
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this  
spec.)

Item Loop for P/N 11111-11  
P/N 11111-11  
Total shipped quantity of 120  
  
Order 2's Schedule Line Number 000100100  
12 containers with a quantity of 10 in each.  
12 container serial numbers



## Data Sample 10 – Two Orders, Loose Container Shipment: Part Number in Loose Containers

The two orders can be:

- a past due order and a current firm order, or
- current firm order and a future firm order

The below ASN reflects one part number shipped in several small loose containers via United Parcel Service (or similar carrier). The shipment will include a past due order, current/future firm order and each order having a unique order schedule line number. The shipment will require two Master Label one for each part number / schedule delivery line number combination. Details of the shipment are:

### Part Number 33333-33

- Order 1 is 30
- Order 1's Schedule Line Number 000100025
- Order 2 is 30
- Order 2's Schedule Line Number 000100005
- Master Label 1 – Serial Number 654321015209527 with total shipped quantity of 30, which is attached to Container 3 with Container Serial Number 654321000000003
  - Container Serial Numbers 654321000000001 – 654321000000001, each label with a quantity of 10
- Master Label 2 – Serial Number 65432101529528 with total shipped quantity of 30, which is attached to Container 6 with Container Serial Number 654321000000006
  - Container Serial Numbers 654321000000004 – 654321000000006, each label with a quantity of 10

Below is how the ASN is to be set up:

BSN\*00\*892488\*20120827\*1822  
DTM\*011\*20120827\*1820  
HL\*1\*\*S  
MEA\*PD\*G\*1923\*LB  
TD1\*PAT\*3  
TD5\*B\*2\*PITT\*LT  
REF\*BM\*892488  
REF\*CN\*23987706  
N1\*SI\*\*1\*1001  
N1\*ST\*\*92\*1001SYC1  
N1\*SU\*\*92\*654321  
REF\*DK\*SYC  
HL\*2\*1\*T  
REF\*SE\*654321015209527  
HL Tare Loop 1  
Master Serial Number 654321015209527 associated with  
P/N 33333-33

PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1  
HL\*3\*2\*I  
LIN\*\*BP\*33333-33\*\*\*PO\*5500001234 P/N 33333-33  
SN1\*\*30\*EA  
REF\*RE\*10  
REF\*ZZ\*000100005μ  
CLD\*3\*10  
REF\*LS\*654321000000001  
REF\*LS\*654321000000002  
REF\*LS\*654321000000003  
HL\*4\*1\*T  
REF\*SE\*654321015209528  
Item Loop for P/N 33333-33  
Total shipped quantity of 30  
Order 2's Schedule Line Number 000100005  
Shipped in 3 containers with 10 pieces in it  
3 Container Serial Numbers  
HL Tare Loop 1  
Master Serial Number 654321015209528 associated with  
P/N 33333-33

PAL\*1\*\*\*\*576\*LB\*\*\*\*\*1  
HL\*5\*4\*I  
LIN\*\*BP\*33333-33\*\*\*PO\*5500001234 P/N 33333-33  
SN1\*\*30\*EA  
REF\*RE\*10  
REF\*ZZ\*000100025μ  
CLD\*3\*10  
REF\*LS\*654321000000004  
REF\*LS\*654321000000005  
REF\*LS\*654321000000006  
CTT (Segment created by your EDI translator. For additional information please reference Page 25 in this spec.)  
SE (Segment created by your EDI translator. For additional information, please reference Page 25 in this spec.)  
Total shipped quantity of 30  
Order 1's Schedule Line Number 000100025  
Shipped in 3 containers with 10 pieces in it  
3 Container Serial Numbers

## Data Sample 10 – Sample of How to Label Shipment

### Master Label 1 - Current Firm Order

### Container Labels



**Master Label 2 - Past Due Order**

**Container Labels**



Below are the testing requirements:

- Must test with Kelly Barbara, [kelly.barbara@harley-davidson.com](mailto:kelly.barbara@harley-davidson.com), telephone number 717-852-6526.
- Test will require two ASNs with the following information:
  - ASN 1 – bulk containers (a large container that must be moved by a fork truck)
    - Two bulk containers of Part A
    - Mixed pallet with Part B and Part C
    - BSN 02 = TESTBULK
    - N1 SI 04 = 062629324
    - N1 ST 04 = 717852169
    - N1 SU 04 = Your company’s H-D Supplier ID
    - ASNs must meet all ANSI X12, 004010 guidelines.
  - ASN 2 – loose boxes
    - Part A, one box
    - Part B, two boxes
    - BSN 02 = TESTLOOS
    - N1 SI 04 = 062629324
    - N1 ST 04 = 717852169
    - N1 SU 04 = Your company’s H-D Supplier ID
    - ASNs must meet all ANSI X12, 004010 guidelines.
- If your company does not ship in all three shipping scenarios, then the test will consist of the shipping scenarios that will be used with H-D.
- Please email to me the test ASNs in .edi or .txt format and indicate whether it is test ASN 1 or test ASN 2.
- Container and Master Labels matching the data in the test ASNs must be submitted at the same time as the test ASNs. Labels can be emailed in a .PDF file format.

## Documentation Updates

### January 2014 Update

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

### May 2014 Update

REF RE 02: Added 414343713 to the statement: If N1 SI 04 equals 4143438416 and 414343713, then enter the PO Line Item Number from the 850's PO101

PAL 06: Correct the Min/Max from 1/2 to 2/2.

PAL 15: Corrected the Attributes Req value for the H-D requirements from Optional to Mandatory

### December 2014 Update

Added new REF ZZ (Schedule Line Number) segment in the Detail - Item section.

Revised Data Sample narratives for Samples 1, 2, 3, 4, 6, and 7, which contain a Current Firm Order

Added Data Sample 5, which contain a Current Firm Order

Added Data Samples 8, 9, 11 which contains a Past Due Order and Current Firm Order.

### March 2015 Update

Removed data samples for P&A, General Merchandise, and Supplier Direct because the remaining data samples will apply to their business.

Deleted the P&A, General Merchandise and Supplier Direct testing requirements as all the H-D businesses can use the same testing requirements.

### September 2024 Update

No changes to specifications. Updated dates and formatted document.