



EDI Implementation Guide

August 2024

TRANSACTION SET

862

Shipping Schedule

ANSI X.12

Version 004010

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Usage Convention

The Shipping Schedule (862) transaction set, in a real-time environment, will detail to the supplier *actual* shipping requirements forecasted in a previous Planning Schedule (830) transaction set, but does not replace the Planning Schedule transaction set. The H-D standard is highlighted when it differs from the ANSI standard. These standards consider the AIAG guidelines.

The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing precise shipping schedule requirements on a more frequent basis than with the issuance of a Planning Schedule transaction set. Generally, this transaction is triggered by Harley-Davidson's consumption of parts. This then notifies the supplier to replenish those consumed parts immediately.

Using this transaction in a real-time environment allows Harley-Davidson to communicate all schedules and changes immediately to the supplier. This means that Harley-Davidson can send multiple 862 requirements in a single day for a specific part number and for a specific site.

H-D will be creating ship schedules from two systems: Legacy and SAP. Each system has its own rules of how many ship dates are sent and how to communicate changes to the ship schedule. Below are the Ship Schedules rules and how they will be handled by each system.

- FST (Ship Date) Segments:
 - Legacy – Ship Schedule will contain one FST (Ship Date) segment.
 - SAP – Ship Schedule will contain multiple FST (Ship Date) segment.
- Original requirements will be sent as an original 862 with a unique release ID and a purpose code of 00 (Original).
- Decrease in ordered quantity
 - Legacy - Replacement 862 will be sent whenever the original 862 requires a decrease in quantity. The replacement 862 will have the original release ID and the purpose code of 05 (Replacement).
 - SAP - Next sent ship schedule (with new release ID) will contain current order quantity.
- Increase in ordered quantity
 - Legacy - If additional quantities are required after the original 862 is sent, an additional 862 will be issued for the increased quantity and will have a unique release ID and a purpose code of 00 (Original).
 - SAP - Next sent ship schedule (with new release ID) will contain current order quantity.
- Change in ship date
 - Legacy – Replacement 862 will be sent whenever the original 862 requires a change in ship date. The replacement 862 will have the original release ID and the purpose code of 05 (Replacement).
 - SAP – Next sent ship schedule (with new release ID) will contain current ship dates.

ANSI X.12 Version

H-D will send ANSI X.12, Version 004010. No other versions of the ANSI X.12 can be sent.

H-D EDI Qualifier and ID

The following Interchange ID and Qualifier must be set up to receive the Shipping Schedule transaction set from Harley-Davidson.

Interchange ID Qualifier (ISA05):	01
Interchange Receiver ID (ISA06):	062629324
Application Sender's Code (GS02):	062629324

Transaction Delimiters

Repetition Separator (ISA11) = “U”
Component Element Separator (ISA16) = “>”
Data Element Separator = ~ or Hex 5F
Segment Terminator = “ ” or Hex 15

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 to successfully receive this document, the receiver's EDI system must be set up to receive the H-D attributes.

862 Shipping Schedule

Functional Group ID = **SS**

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
BSS	Beginning Segment for Ship Schedule	Mandatory	1	
N1	Name – Schedule Issuer	Mandatory	1	
N1	Name – Ship To	Mandatory	1	
N3	Address Information	Optional	2	
N1	Name – Supplier / Manufacturer	Mandatory	1	
REF	Reference Identification – Customer Order	Optional	1	
REF	Reference Identification – SCAC	Mandatory	1	

Detail

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
LIN	Line Item Data	Mandatory	1	
UIT	Unit of Measure	Mandatory	1	
Loop ID – PKG				Multiple Times
PKG	Marking, Packaging, Loading	Optional	>1	
End of Loop ID - PKG				
REF	Reference Identification – Dock	Optional	1	
REF	Reference Identification – Line Feed	Optional	1	
FST	Forecast Schedule – Past Due Quantity	Optional	1	
FST	Forecast Schedule, Ship Date and Schedule Delivery Line	Mandatory	100	
Loop ID – JIT				Multiple Times
JIT	Just-In-Time Schedule	Optional	>1	
End of Loop ID - JIT				
TD1	Carrier Details	Optional	1	

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

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

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

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
GS01	479	Functional Identifier Code	HD:	M	ID	2/2
		Field Content:	X12:	M	ID	2/2
		Code Name				
		SS Shipping Schedule				
GS02	142	Application Sender's Code	HD:	M	AN	2/15
		Field Content: 062629324	X12:	M	AN	2/15
GS03	124	Application Receiver's Code	HD:	M	AN	2/15
		Field Content: Supplier's EDI ID	X12:	M	AN	2/15
GS04	373	Date	HD:	M	DT	8/8
		Field Content: CCYYMMDD	X12:	M	DT	8/8
GS05	337	Time	HD:	M	TM	4/8
		Field Content: 24-hour clock, HHMM	X12:	M	TM	4/8
GS06	28	Group Control Number	HD:	M	N0	1/9
		Field Content: A group control number assigned by the H-D translator, which matches to the GE02	X12:	M	N0	1/9
GS07	455	Responsible Agency Code	HD:	M	ID	1/2
		Field Content:	X12:	M	ID	1/2
		Code Name				
		X Accredited Standards Committee X12				
GS08	480	Version / Release / Industry Identifier Code	HD:	M	AN	1/12
		Field Content: 004010	X12:	M	AN	1/12

Segment: ST Transaction Set Header
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
ST01	143	Transaction Set Identification Code Field Content: 862	H-D: M X12: M	ID	3/3	3/3
ST02	329	Transaction Set Control Number Field Content: Identifying control number assigned by the H-D translator for the 862. This value must match the value in the SE02	H-D: M X12: M	AN	4/9	4/9

Segment: BSS Beginning Segment for Shipping Schedule
Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
BSS01	353	Transaction Set Purpose Code Field Content: Code Name	H-D: M X12: M	ID	2/2	2/2
		00 Original				
		05 Replacement of Original 862				
BSS02	127	Reference Identification Field Content: Release Number (when 862 sent by OE plant) or Picklist Number (when 862 sent by Supplier Direct).	H-D: M X12: M	AN	1/8	1/30
BSS03	373	Schedule Create Date Field Content: CCYYMMDD	H-D: M X12: M	DT	8/8	8/8
BSS04	675	Schedule Type Qualifier Field Content: SH (Shipment Based)	H-D: M X12: M	ID	2/2	2/2
BSS05	373	Horizon Start Date Field Content: CCYYMMDD	H-D: M X12: M	DT	8/8	8/8
BSS06	373	Horizon End Date Field Content: CCYYMMDD	H-D: M X12: M	DT	8/8	8/8
BSS07	328	Release Number Field Content: Will contain the same value as in the BSS02.	H-D: M X12: X	AN	8/8	1/30
BSS11	676	Schedule Quantity Qualifier Field Content: A (Actual Discrete Quantities)	H-D: M X12: O	ID	1/1	1/1

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
		Field Content: SI (Schedule Issuer)	X12:	M	ID	2/3
N103	66	Identification Code Qualifier	H-D:	M	ID	1/2
		Field Content:	X12:	X	ID	1/2
		Code Name				
		1 DUNS code for H-D				
		92 Assigned by H-D				
N104	67	Identification Code	H-D:	M	AN	2/10
		Field Content: A specific code representing the plant issuing the 862. See Appendix A, Plant/ Ship To Location, for valid codes.	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	H-D:	M	ID	2/2
		Field Description: ST (Ship To)	X12:	M	ID	2/3
N102	93	Name	H-D:	M	AN	1/60
		Field Content: Name of the H-D dealer of where material is to be shipped. Only 862s from Supplier Direct (N1 SI 04 = 4143434553).	X12:	X	AN	1/60
N103	66	Identification Code Qualifier	H-D:	M	ID	1/2
		Field Content:	X12:	X	ID	1/2
		Code Name				
		1 DUNS code for H-D				
		92 Assigned by H-D				
N104	67	Identification Code	H-D:	M	AN	2/10
		Field Content: A specific code representing the Ship To location requiring the material. See Appendix A, Plant/ Ship To Location Codes, for valid codes.	X12:	X	AN	2/80
<p>If the N1 SI 04 = 4143434553, then this field will contain a code that represents the H-D dealer documented in the N1 ST 02.</p>						

Segment: N3 Address Information

Level: Header

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			H-D:	Req	Type	Min/Max
N301	166	Address Field Content: If the N1 SI 04 = 4143434553, then this field will contain the address associated with the H-D dealer in the N1 ST 02.	M	AN	1/55	
			X12: M	AN	1/55	
N302	166	Additional Address Field Content: If the N1 SI 04 = 4143434553, then this field will contain the address associated with the H-D dealer in the N1 ST 02.	O	AN	1/55	
			X12: O	AN	1/55	

Segment: N1 Name – Supplier / Manufacturer

Level: Header

Data Element Summary

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

Segment: REF **Reference Identification – Customer Order**
Type
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
		Field Content: CO (Customer Order)	X12:	M	ID	2/3
REF02	127	Customer Order Type	H-D:	M	AN	2/2
		Field Content: Code identifying the Supplier Direct customer order type EC – Serialized Part EP – European – Premium ND – Next Day Air RG – Regular Order SS – Special Ship VN – VIN Related Order	X12:	X	AN	1/30
REF03	352	Description	H-D:	M	AN	1/80
		Field Content: The description of the Supplier Direct order type.	X12:	X	AN	1/80

Segment: REF **Reference Identification – Standard Carrier Alpha Code (SCAC)**

Level: Header

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
REF01	128	Reference ID Qualifier	H-D:	X	ID	3/3
		Field Content: SCA (Standard Carrier Alpha Code)	X12:	M	ID	2/3
H-D SAP sites (York and Bawal) will not sent this segment.						
REF02	127	Reference Identification	H-D:	X	AN	3/4
		Field Content: Code representing the carrier that will transport the material. Reference Appendix C, Standard Carrier Alpha Code, for a list of carriers used by H-D.	X12:	X	AN	1/30
H-D SAP sites (York and Bawal) will not sent this segment.						

Segment: LIN Line Item Data
Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
LIN01	350	Assigned Identification Field Content: If the N1 SI 04 = 4143434553, then this field will contain a Supplier Direct picklist line item number.	H-D: O	AN	1/20	
LIN02	235	Product ID Qualifier Field Content: BP (Buyer Part Number)	H-D: M	ID	2/2	
LIN03	234	H-D Part Number Field Content: Part Number	H-D: M	AN	1/18	
LIN04	235	Product ID Qualifier Field Content: DR (Drawing Revision) If the N1 SI 04 = 4143434553, then this field will be null.	H-D: X	ID	2/2	
LIN05	234	Drawing Revision Level Field Content: Drawing revision number If the N1 SI 04 = 4143434553, then this field will be null.	H-D: X	AN	1/4	
LIN06	235	Product ID Qualifier Field Content: PO (Purchase Order) If the N1 SI 04 = 4143434553, then this field will be null.	H-D: X	ID	2/2	
LIN07	234	Purchase Order Number Field Content: Purchase Order Number If the N1 SI 04 = 4143434553, then this field will be null.	H-D: X	AN	1/15	

Segment: UIT Unit of Measure
Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
UIT01	355	Unit of Measure Code Field Content: Unit of Measure	H-D: M	ID	2/2	
			X12: M	ID	2/2	

Segment: **PKG** **Marking, Packaging, Loading**
Level: Detail

Data Element Summary

Ref	Data	Element Name	Attributes			
			Req	Type	Min	Max
PKG01	349	Item Description Type Field Content: F (Free Form)	H-D:	M	ID	1/1
			X12:	X	ID	1/1
PKG05	352	Line Item Description Field Content: If the N1 SI 04 = 4143434553, then this field will contain part number instructions.	H-D:	M	AN	1/80
			X12:	X	AN	1/80

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

Data Element Summary

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

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 Field Content: LF (Line Feed)	H-D:	M	ID	2/2
			X12:	M	ID	2/3
REF02	127	Reference Identification Field Content: Code representing the assembly line consuming location	H-D:	M	AN	1/12
			X12:	X	AN	1/30

Segment: FST Forecast Schedule – Past Due Quantity
Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
FST01	380	Quantity Field Content: H-D's quantity past due Note: This segment will only be sent in SAP 862.	H-D: M X12: M	R	1/7 1/15	
FST02	680	Forecast Qualifier Field Content: A (Past due is immediate) Note: This segment will only be sent in SAP 862.	H-D: M X12: M	ID	1/1 1/1	
FST03	681	Forecast Timing Qualifier Field Content: D (Discrete calculated past due) Note: This segment will only be sent in SAP 862.	H-D: M X12: M	ID	1/1 1/1	
FST04	373	Delivery Date (Start of Interval) Field Content: In CCYYMMDD format Note: This segment will only be sent in SAP 862.	H-D: M X12: M	DT	8/8 8/8	
FST08	128	Reference Identification Qualifier Field Content: ZZ (Mutually Defined as the Schedule Line Number)	H-D: X X12: X	ID	2/2 2/3	
<p>Notes:</p> <ul style="list-style-type: none"> • Elements 08 and 09 will only be sent by H-D sites that use SAP. • If the 862 contains Element 08 and 09, then the same data must be returned in the ASN's REF ZZ segment. 						
FST09	127	Reference Identification Field Content: First five digits represent the Line Item # and the last four digits represent the Schedule Line Number in the part number's scheduling agreement.	H-D: X X12: X	AN	9/9 1/30	
<p>Notes:</p> <ul style="list-style-type: none"> • Elements 08 and 09 will only be sent by H-D sites that use SAP. • If the 862 contains Element 08 and 09, then the same data must be returned in the ASN's REF ZZ segment in the appropriate line item loop. 						

Segment: FST Forecast Schedule, Ship Date and Schedule Delivery Line

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min	Max
FST01	380	Total Part Quantity Field Content: Quantity to be shipped	H-D:	M	R	1/7
			X12:	M	R	1/15
FST02	680	Forecast Qualifier Field Content: C (Firm)	H-D:	M	ID	1/1
			X12:	M	ID	1/1
FST03	681	Forecast Timing Qualifier Field Content: D (Discrete)	H-D:	M	ID	1/1
			X12:	M	ID	1/1
FST04	373	Date Field Content: CCYYMMDD	H-D:	M	DT	8/8
			X12:	M	DT	8/8
FST08	128	Reference Identification Qualifier Field Content: ZZ (Mutually Defined as the Schedule Line Number)	H-D:	X	ID	2/2
			X12:	X	ID	2/3

Notes:

- Elements 08 and 09 will only be sent by H-D sites that use SAP.
- If the 862 contains Element 08 and 09, then the same data must be returned in the ASN's REF ZZ segment.

FST09	127	Reference Identification Field Content: First five digits represent the Line Item # and the last four digits represent the Schedule Line Number in the part number's scheduling agreement.	H-D:	X	AN	9/9
			X12:	X	AN	1/30

Notes:

- Elements 08 and 09 will only be sent by H-D sites that use SAP.
- If the 862 contains Element 08 and 09, then the same data must be returned in the ASN's REF ZZ segment.

Segment: JIT Just-In-Time Schedule

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
JIT01	380	Quantity Required Field Content: JIT quantity to be shipped	H-D:	M	R	1/7
			X12:	M	R	1/15
JIT02	337	Time of Requirement Field Content: HHMM (24-hour time)	H-D:	M	TM	4/8
			X 12:	M	TM	4/8

Segment: TD1 Carrier Detail

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
TD101	103	Packaging Code Field Content: CNT90 (Container Standard or Container Package Quantity)	H-D:	M	AN	5/5
			X12:	O	AN	3/5
TD102	80	Lading Quantity Field Content: Quantity in each container	H-D:	M	NO	1/7
			X12:	X	NO	1/7
TD105	79	Lading Description Field Content: Description of the container	H-D:	M	AN	1/50
			X12:	O	AN	1/50

Segment: CTT Transaction Totals

Level: Summary

Data Element Summary

Ref Des.	Data Element	Element Name	Attributes			
			Req	Type	Min/Max	
CTT01	354	Number of Line Items Field Content: Total number of line items in this transaction	H-D:	M	N0	1/6
			X12:	M	N0	1/6
CTT02	347	Hash Total Field Content: Sum of all FST quantity fields	H-D:	M	R	1/10
			X12:	O	R	1/10

Segment: SE Transaction Set Trailer

Level: Summary

Data Element Summary

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

Segment: GE Functional Group Trailer

Level: Functional Envelope

Data Element Summary

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

Segment: IEA Interchange Control Trailer

Level: Interchange Envelope

Data Element Summary

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

Data Sample – SAP 862 with Multiple FST Segments for Domestic Suppliers

Ship Schedules sent with multiple FST segments are sent from the H-D SAP system. Below is an 862 with a horizon of 20 days with ship dates every Monday, Tuesday, Wednesday and Thursday.

If there is a change in order quantity or ship date in days 1 – 7 of the 20 day horizon, a new 862 will be sent immediately.

If there is a change in order quantity by plus or minus 25% in days 8 -20 of the 20 day horizon, a new 826 will be sent immediately.

If there are past due quantities, the 862 will be sent each day until the past due is resolved.

When an order(s) becomes past due, SAP will create a new order and schedule delivery line for the total amount due. This data will be sent in the FST segment with a qualifier of A. The previous/past due order(s) and schedule delivery line(s) will not be sent on the current 862. The supplier's system will need to have a process to remove the previous/past due orders and to add the new past due order quantity and schedule delivery line.

Firm zone varies by part number.

It is recommended that the last received 862 be the document that shipments are made against as it contains the most current information.

ISA~00~00~01~062629324	FST~120~C~D~20141015~ZZ~000100006μ
~01~11111111~141002~	FST~120~C~D~20141016~ZZ~000100007μ
1233~U~00401~000047978~0~P~>μ	FST~90~C~D~20141020~ZZ~000100008μ
GS~SS~062629324~001165679~20141002~1248~379	FST~90~C~D~20141021~ZZ~000100009μ
3~X~004010μ	FST~120~C~D~20141022~ZZ~000100010μ
ST~862~000022025μ	FST~120~C~D~20141023~ZZ~000100011μ
BSS~00~354~20141002~SH~20141002~20141113~3	FST~120~C~D~20141103~ZZ~000100012μ
54~Aμ	FST~150~C~D~20141104~ZZ~000100013μ
N1~SI~92~1001μ	FST~120~C~D~20141105~ZZ~000100014μ
N1~ST~H-D Syncreon Warehouse~92~1001SYC3μ	FST~120~C~D~20141106~ZZ~000100015μ
N1~SU~92~111111μ	FST~120~C~D~20141110~ZZ~000100016μ
LIN~BP~11111~11~DR~A~PO~5500000000μ	FST~120~C~D~20141111~ZZ~000100017μ
UIT~EAμ	FST~120~C~D~20141112~ZZ~000100018μ
REF~DK~SYC3μ	FST~150~C~D~20141113~ZZ~000100019μ
FST~120~A~D~20141002~ZZ~000100028μ	CTT~1~2190μ
FST~120~C~D~20141006~ZZ~000100002μ	SE~29~000022025μ
FST~30~C~D~20141009~ZZ~000100003μ	GE~1~3793μ
FST~120~C~D~20141013~ZZ~000100004μ	IEA~1~000047978μ
FST~120~C~D~20141014~ZZ~000100005μ	

Data Sample – SAP 862 with Multiple FST Segments for International Suppliers

Ship Schedules sent with multiple FST segments are sent from the H-D SAP system. Below is an 862 with a horizon of 60 days with ship dates every Tuesday and Thursday.

If there is a change in order quantity or ship date in days 1 – 30 of the 60 day horizon, a new 862 will be sent immediately.

If there is a change in order quantity by plus or minus 10% in days 31 -60 of the 60 day horizon, a new 826 will be sent immediately.

If there are past due quantities, the 862 will be sent each day until the past due is resolved.

When an order(s) becomes past due, SAP will create a new order and schedule delivery line for the total amount due. This data will be sent in the FST segment with a qualifier of A. The previous/past due order(s) and schedule delivery line(s) will not be sent on the current 862. The supplier's system will need to have a process to remove the previous/past due orders and to add the new past due order quantity and schedule delivery line.

Firm zone varies by part number.

It is recommended that the last received 862 be the document that shipments are made against as it contains the most current information.

ISA-00- -00- -01-062629324	FST-100-C-D-20120731- - - - -ZZ-000100008μ
-01-001165679 -120702-	FST-100-C-D-20120802- - - - -ZZ-000100009μ
1233-U-00401-000047978-0-P->μ	FST-100-C-D-20120807- - - - -ZZ-000100010μ
GS-SS-062629324-001165679-20120709-1248-379	FST-100-C-D-20120809- - - - -ZZ-000100011μ
3-X-004010μ	FST-100-C-D-20120814- - - - -ZZ-000100012μ
ST-862-000022025μ	FST-100-C-D-20120816- - - - -ZZ-000100013μ
BSS-00-00000001-20120709-SH-20120709-20120	FST-100-C-D-20120821- - - - -ZZ-000100014μ
927-00000001- - - - -Aμ	FST-100-C-D-20120823- - - - -ZZ-000100015μ
N1-SI- -92-1001μ	FST-100-C-D-20120828- - - - -ZZ-000100016μ
N1-ST- -92-1001SYC3μ	FST-100-C-D-20120904- - - - -ZZ-000100017μ
N1-SU- -92-111111μ	FST-100-C-D-20120906- - - - -ZZ-000100018μ
LIN- -BP-61165-89-DR-A-PO-5500000000μ	FST-100-C-D-20120911- - - - -ZZ-000100019μ
UIT-EAμ	FST-100-C-D-20120913- - - - -ZZ-000100020μ
REF-DK-SYC3μ	FST-100-C-D-20120918- - - - -ZZ-000100021μ
FST-200-A-D-20120702- - - - -ZZ-000100031μ	FST-100-C-D-20120920- - - - -ZZ-000100022μ
FST-100-C-D-20120710- - - - -ZZ-000100002μ	FST-100-C-D-20120925- - - - -ZZ-000100023μ
FST-100-C-D-20120712- - - - -ZZ-000100003μ	FST-100-C-D-20120927- - - - -ZZ-000100024μ
FST-100-C-D-20120717- - - - -ZZ-000100004μ	CTT-1-800μ
FST-100-C-D-20120719- - - - -ZZ-000100005μ	SE-37-000022025μ
FST-100-C-D-20120723- - - - -ZZ-000100006μ	GE-1-3793μ
FST-100-C-D-20120726- - - - -ZZ-000100007μ	IEA-1-000047978μ

Data Sample – Legacy, One FST (Ship Date) Segment

Ship Schedules sent with one FST segment are sent from the H-D Legacy system.

ST~862~000022025μ
BSS~00~029812~20031125~SH~20031126~20031126~029812~Aμ
N1~SI~1~062629324μ
N1~ST~92~7178521878μ
N1~SU~92~TESTμ
REF~SCA~HRLYμ
LIN~BP~61165-89~DR~A~PO~R-0000002961μ
UIT~EAμ
REF~DK~D1μ
REF~LF~Q4 FRB17-31μ
FST~385~C~D~20031126μ
TD1~CNT90~55~RETURNABLEμ
LIN~BP~61166-93A~PO~R-0000002960μ
UIT~EAμ
REF~DK~D1μ
REF~LF~DY FRE14-13μ
FST~200~C~D~20031126μ
TD1~CNT90~100~ROPAKμ
LIN~BP~90817-96A~PO~R-0000005626μ
UIT~EAμ
REF~DK~D1μ
REF~LF~DY COLF13μ
FST~40~C~D~20031126μ
TD1~CNT90~10~RACKμ
CTT~3~625μ
SE~25~000022025μ

Data Sample – Legacy, Supplier Direct

ST-862-000000356μ
BSS-00-7965959-20031121-SH-20031121-20031121-7965959-AAAAAμ
N1-SI-92-4143434553μ
N1-ST-PA H-D Dealership-92-0018μ
N3-1425 Eden Road-York, PA 17402μ
N1-SU-92-TESTμ
REF-CO-EP-European - Premiumμ
REF-SCA-UPSSμ
LIN-1-BP-99816-1040μ
UIT-EAμ
PKG-F-Stan's Harley-Davidsonμ
PKG-F-4425 W. Saile Driveμ
PKG-F-Batavia, NY 14020μ
PKG-F-Phone (585) 343-9598μ
PKG-F-Fax (585) 343-5804μ
FST-14-C-D-20031121μ
LIN-2-BP-99816-2050μ
UIT-EAμ
FST-14-C-D-20031121μ
LIN-3-BP-99816-50μ
UIT-EAμ
PKG-F-Down Motorcycleμ
FST-14-C-D-20031121μ
CTT-3-42μ
SE-25-000000356μ

Document Update

January 2014

Added the following custom order type codes in the REF CO 02:

- EC – Serialized Part**
- EP - European – Premium**
- ND – Next Day Air**
- RG – Regular Order**
- SS – Special Ship**
- VN – VIN Related Order**

December 2014

Added the Element 08 and 09 to the FST Past Due segment:

Element 08: ZZ (Mutually Defined as the Schedule Line Number) Element 09:
Schedule Line Number

Added the Element 08 and 09 to the FST Firm segment:

Element 08: ZZ (Mutually Defined as the Schedule Line Number) Element 09:
Schedule Line Number

Updated SAP 862 data samples for domestic and international suppliers.

January 2015

Changed the Attribute Req from Mandatory (M) to Optional (X) for Elements 08 and 09 in the FST segments (Past Due and Firm) because not all H-D sites will be sending this information. Only H-D sites that are on SAP will send this data.

March 2015

Changed the Attribute Req from Mandatory (M) to Optional (X) for the REF SCA segment because not all H-D sites will be sending this information. Only H-D sites that are on SAP will send this segment.

July 2015

Changed the Attribute Min/Max from 4/4 to ³/₄ for the REF SCA 02 because Supplier Direct's SCAC are three alphanumeric characters long.

August 2024

No Changes to specifications. Updated dates and formatted document.