EDI Implementation Guide

January 2014

TRANSACTION SET

830

Planning Schedule With Release Capabilities

ANSI X.12
Version 004010

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Usage Convention

The Planning Schedule with Release Capability transaction set (EDI 830) provides for a more efficient means to communicate forecasting/material release information. Both the ANSI X.12 (X12) standard and the Harley-Davidson (H-D) standard are shown for all attributes. The H-D standard is highlighted when it differs from the ANSI standard. These standards consider the AIAG guidelines.

Since the Planning Schedule with Release Capability transaction set is common among all Harley-Davidson plants, it is extremely important to be able to associate the Scheduler Issuer (N1 SI) and the Ship To Location (N1 ST) segment codes to the correct plant and location. These codes must be included in the Ship Notice/Manifest (856) transaction set. For a list of valid codes, refer to Appendix A "Plant / Ship To Location Codes".

All production parts will receive a weekly Planning Schedule (EDI830). Shipments to H-D should **not** be against the Planning Schedule. A Ship Schedule (EDI 862) will be sent when material is to be shipped to H-D.

Capitol Drive and Pilgrim Road suppliers that only receive the 830 schedule (no 862 sent from H-D) the Planning Schedule is **both a planning document and a ship schedule**.

Parts & Accessory suppliers should use this transaction as a **planning/forecast schedule**. Shipments to H-D should **not** be against the Planning Schedule. A Purchase Order (EDI 850) will be sent when material is to be shipped to H-D.

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 Planning Schedule with Release Capability 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.

830 Planning Schedule with Release Capability

Functional Group ID = **PS**

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	
BRF	Beginning Segment for Planning Schedule	Mandatory	1	
N1	Name – Material Release Issuer	Mandatory	1	
N1	Name – Ship To Location	Optional	1	
N1	Name – Supplier / Manufacturer	Mandatory	1	

Detail

Seg ID.	Name	Req. Des.	Max Use	Loop Repeat
Loop ID – LIN				Multiple Times
LIN	Item Identification	Mandatory	1	
UIT	Unit Detail	Mandatory	1	
REF	Reference Identification – Dock	Optional	1	
REF	Reference Identification – Line Feed	Optional	1	
PER	Administrative Communication Contract	Mandatory	1	
ATH	Resource Authorization	Optional	1	
FST	Forecast Schedule – Past Due Quantity	Optional	1	
FST	Forecast Schedule – Weekly Schedules	Mandatory	52	
FST	Forecast Schedule – 16-Week Requirement Total	Optional	1	
FST	Forecast Schedule – 52-Week Planning Requirement Total	Optional	1	
FST	Forecast Schedule – Daily Delivery Requirements	Optional	15	
SHP	Shipped/Received Information	Optional	2	
REF	Reference identification – Shipper’s Identifying Number	Optional	1	
SHP	Shipped/Received Information	Optional	1	
End of Loop ID - LIN				

Summary

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

Functional Group Envelope

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

Interchange Envelope

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

Segment: ISA Interchange Control Header

Level: Interchange Envelope

Data Element Summary

Ref 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 **PS Planning Schedule with Release Capability (830)**				
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 Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
ST01	143	Transaction Set Identifier Code	H-D:	M	ID	3/2
		Field Content: 830	X12:	M	ID	3/3
ST02	329	Transaction Set Control Number	HD:	M	AN	4/9
		Field Content: Identifying control number assigned by the H-D translator for the 830. This value must match the value in the SE02.	X12:	M	AN	4/9

Segment: BFR Beginning Segment for Planning Schedule

Level: Header

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
BFR01	353	Transaction Set Purpose Code	H-D:	M	ID	2/2
		Field Content: One of the following codes:	X12:	M	ID	2/2
		Code Name **00 Original** **05 Replacement of the original material release**				
BFR03	328	Release Number	H-D:	M	AN	8/8
		Field Content: The H-D 830 release ID	X12:	X	AN	1/30
BFR04	675	Schedule Type Qualifier	H-D:	M	AN	2/2
		Field Content: One of the following codes	X12:	M	AN	2/2
		Code Name **DL Delivery** **SH Shipment based material release**				
BFR05	676	Schedule Quantity Qualifier	H-D:	M	ID	1/1
		Field Content: A (Actual Discrete Quantity)	X12:	M	ID	1/1
BFR06	373	Horizon Start Date	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8
BFR07	373	Horizon End Date	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8
BFR08	373	Release Date	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8

Segment: N1 Name – Material Release Issuer

Level: Header

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
N101	98	Entity Identifier Code	H-D:	M	ID	2/2
		Field Content: MI (Material Issuer)	X12:	M	ID	2/3
N103	66	Identification Code Qualifier	H-D:	M	ID	1/2
		Field Content: One of the following codes:	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 forecast. 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 Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
N101	98	Entity Identifier Code	H-D:	M	ID	2/2
		Field Content: ST (Ship To)	X12:	M	ID	2/3
N103	66	Identification Code Qualifier	H-D:	M	ID	1/2
			X12:	X	ID	1/2
		Field Content: One of the following codes:				
		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: See Appendix A, Plant / Ship To Location Codes, for valid codes.	X12:	X	AN	2/80

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	H-D:	M	ID	2/2
		Field Content: SU (Supplier ID)	X12:	M	ID	2/3
N103	66	Identification Code Qualifier	H-D:	M	ID	2/2
		Field Content: 92 (Assigned by H-D)	X12:	X	ID	1/2
N104	67	Identification Code	H-D:	M	AN	2/13
		Field Content: H-D Supplier ID	X12:	X	AN	2/80

Segment: LIN Item Identification

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
LIN02	235	Product ID Qualifier	H-D:	M	ID	2/2
		Field Content: BP (Buyer)	X12:	M	ID	2/2
LIN03	234	Part Number	H-D:	M	AN	1/18
		Field Content: H-D's Part Number	X12:	M	AN	1/48
LIN04	235	Product ID Qualifier	H-D:	X	ID	2/2
		Field Content: DR (Drawing Revision)	X12:	X	ID	2/2
LIN05	234	Drawing Revision Level	H-D:	X	AN	1/4
		Field Content: H-D's drawing revision level	X12:	X	AN	1/48
LIN06	235	Product ID Qualifier	H-D:	X	ID	2/2
		Field Content: PO (Purchase Order)	X12:	X	ID	2/2
		830s from P&A will not contain this element				
LIN07	234	Purchase Order Number	H-D:	M	AN	1/15
		Field Content: H-D's manufacturing PO number	X12:	X	AN	1/48
		P&A 830s will not contain this element				

Segment: UIT Unit Detail

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
UIT01	355	Unit of Measurement Code	H-D:	M	ID	2/2
		Field Content: H-D's unit of measure	X12:	M	ID	2/2

Segment: REF Reference Identification - Dock

Level: Detail

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: DK (Dock)	X12:	M	ID	2/3
REF02	127	Reference Identification	H-D:	M	AN	1/3
		Field Content: H-D's receiving dock	X12:	X	AN	1/30

Segment: REF Reference Identification – Line Feed

Level: Detail

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: LF (Line Feed)	X12:	M	ID	2/3
REF02	127	Reference Identification	H-D:	M	AN	1/12
		Field Content: A code representing the H-D line feed (internal delivery location)	X12:	X	AN	1/30

Segment: PER Administrative Communication Contract

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
PER01	366	Contact Function Code	H-D:	M	ID	2/2
		Field Content: EX (Planner/Scheduler)	X12:	M	ID	2/2
PER02	93	Planner Name	H-D:	M	AN	1/30
		Field Content: Name of Planner/Scheduler	X12:	O	AN	1/60

Segment: ATH Resource Authorization
Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
ATH01	672	Resources Authorization Code	H-D:	M	ID	2/2
		Field Content: PQ (Cumulative quantity release)	X12:	M	ID	2/2
		The York plant does not send this segment.				
ATH03	380	Quantity	H-D:	M	R	1/15
		Field Content: H-D's cumulative quantity release from all prior releases against this PO.	X12:	X	R	1/15
		The York plant does not send this segment.				
ATH05	373	Date (Prior Release Date)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	X	DT	8/8
		The York plant does not send this segment.				

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	H-D:	M	R	1/7
		Field Content: H-D's quantity past due	X12:	M	R	1/15
FST02	680	Forecast Qualifier	H-D:	M	ID	1/1
		Field Content: A (Past due is immediate)	X12:	M	ID	1/1
FST03	681	Forecast Timing Qualifier	H-D:	M	ID	1/1
		Field Content: D (Discrete calculated past due)	X12:	M	ID	1/1
FST04	373	Delivery Date (Start of Interval)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8

Segment: FST Forecast Schedule – Weekly Schedule

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
FST01	380	Quantity	H-D:	M	R	1/7
		Field Content: Weekly quantity	X12:	M	R	1/15
FST02	680	Forecast Qualifier	H-D:	M	ID	1/1
		Field Content: D (Planned material requirement)	X12:	M	ID	1/1
FST03	681	Forecast Timing Qualifier	H-D:	M	ID	1/1
		Field Content: W (Weekly material requirement)	X12:	M	ID	1/1
FST04	373	Delivery Date (Start of Week)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8

Segment: FST Forecast Schedule – 16-Week Requirement Total

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
FST01	380	Quantity	H-D:	M	R	1/7
		Field Content: 16-week requirement quantity	X12:	M	R	1/15
FST02	680	Forecast Qualifier	H-D:	M	ID	1/1
		Field Content: D (Planning schedule for the initial 16 week total)	X12:	M	ID	1/1
FST03	681	Forecast Timing Qualifier	H-D:	M	ID	1/1
		Field Content: F (16-week period)	X12:	M	ID	1/1
FST04	373	Delivery Date (Start of Interval)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8
		The start of the forecast for the weekly new schedule. 830s sent from manufacturing sites (New Factory York, Kansas City, Powertrain, and Tomahawk), the 16-week period total starts beyond the current week and next week. 830s sent from P&A, the 16-week period begins with the current week through a 16-week horizon.				
FST05	373	Delivery Date (End of Interval)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format	X12:	M	DT	8/8
		The last Monday of the 16-wek forecast				

Segment: FST Forecast Schedule – 52-Week Planning Requirement Total

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
FST01	380	Quantity	H-D:	M	R	1/9
		Field Content: 52-week material requirement	X12:	M	R	1/15
FST02	680	Forecast Qualifier	H-D:	M	ID	1/1
		Field Content: D (52-week planning schedule)	X12:	M	ID	1/1
FST03	681	Forecast Timing Qualifier	H-D:	M	ID	1/1
		Field Content: F (Interval from start to ending date)	X12:	M	ID	1/1
FST04	373	Delivery Date (Start of Interval)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format Beginning date of the 52-week schedule	X12:	M	DT	8/8
FST05	373	Delivery Date (Start of Interval)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format Last Monday of the 52-week schedule	X12:	M	DT	8/8

Segment: FST Forecast Schedule – Daily Delivery Requirements

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
FST01	380	Quantity	H-D:	M	R	1/7
		Field Content: Daily quantity If daily quantity is 0 in the H-D system, this daily segment will not be sent.	X12:	M	R	1/15
		The York plant will not send this segment.				
FST02	680	Forecast Qualifier	H-D:	M	ID	1/1
		Field Content: C (Firm daily schedule)	X12:	M	ID	1/1
		The York plant will not send this segment.				
FST03	681	Forecast Timing Qualifier	H-D:	M	ID	1/1
		Field Content: C (Specific daily requirement)	X12:	M	ID	1/1
		The York plant will not send this segment.				
FST04	373	Delivery Date (Required Delivery Date)	H-D:	M	DT	8/8

Field Content: In CCYYMMDD format **This is the delivery date for the daily quantity.** **The York plant will not send this segment.**	X12:	M	DT	8/8

Segment: SHP Shipped/Received Information

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
SHP01	673	Quantity Qualifier	H-D:	M	ID	2/2
		Field Content: 01 (Specific discrete quantity)	X12:	O	ID	2/2
SHP02	380	Quantity (Last Received)	H-D:	M	R	1/9
		Field Content: Quantity received on date in SHP04	X12:	X	R	1/15
SHP03	374	Date/Time Qualifier	H-D:	M	ID	3/3
		Field Content: 050 (Receiving date)	X12:	X	ID	3/3
SHP04	373	Date (Received)	H-D:	M	DT	8/8
		Field Content: In CCYYMMDD format **The date of the last received shipment.**	X12:	X	DT	8/8

Segment: REF Reference Identification – Shipper's Identifying Number

Level: Detail

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: SI (Shipper's identifying number)	X12:	M	ID	2/3
REF02	127	Reference Identification	H-D:	M	AN	1/8
		Field Content:	X12:	X	AN	1/30
		830s sent from New Factory York will have the packing list number associated with the value in the SHP 02 segment.				
		830s sent from other OE plants will have the ASN number associated with the value in the SHP 02 segment.				
		830s sent from P&A will not have this segment.				

Segment: SHP Shipped/Received Information

Level: Detail

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
SHP01	673	Quantity Qualifier	H-D:	M	ID	2/2
		Field Content: 02 (Cumulative PO quantity)	X12 :	O	ID	2/2
SHP02	380	Quantity	H-D:	M	R	1/15
		Field Content: Cumulative PO quantity received since the creation of the PO.	X12:	X	R	1/15
SHP03	374	Date/Time Qualifier	H-D:	X	ID	3/3
		Field Content: 051 (Cumulative start date) **Note: 830s sent from New Factory York will have this element null.**	X12:	X	ID	3/3
SHP04	373	Date (Cum Start)	H-D:	X	DT	8/8
		Field Content: In CCYYMMDD format **The date quantities began accumulating against the PO.** **Note: 830s sent from New Factory York will have this element null.**	X12:	X	DT	8/8
SHP06	373	Date (Cum End)	H-D:	M	DT	8/8
			X12:	X	DT	8/8
		Field Content: In CCYYMMDD format **The date quantities stopped accumulating against the PO.**				

Segment: CTT Transaction Total

Level: Summary

Data Element Summary

Ref Des.	Data Element	Element Name		Attributes Req	Type	Min/Max
CTT01	354	Number of Line Items	H-D:	M	N0	1/6
		Field Content: Total number of line items in this transaction	X12:	M	N0	1/6
CTT02	347	Hash Total	H-D:	M	R	1/10
		Field Content: Sum of all FST quantity fields	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	H-D:	M	N0	1/10
		Field Content: Total number of segments included in this transaction, including the ST and SE segments.	X12:	M	N0	1/10
SE02	329	Transaction Set Control Number	H-D:	M	AN	4/9
		Field Content: Identifying control number assigned by the H-D translator for the 830. This value must match the value in the ST02.	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	HD:	M	N0	1/6
		Field Content: The total number of transaction sets included in the functional group	X12:	M	N0	1/6
GE02	28	Group Control Number	HD:	M	N0	1/9
		Field Content: A group control number assigned by the H-D translator, which matches to the GS06	X12:	M	N0	1/9

Segment: IEA Interchange Control Trailer

Level: Interchange Envelope

Data Element Summary

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

Data Example of OE 830

ISA¬00¬ ¬00¬ ¬01¬062629324 ¬ZZ¬AR0000006870 ¬050815¬
1824¬U¬00401¬000008736¬0¬P¬>µ
GS¬PS¬062629324¬AR0000006870¬20050815¬1824¬2541¬X¬004010µ
ST¬830¬000002528µ
BFR¬00¬¬143713¬DL¬A¬20050815¬20060807¬20050815µ
N1¬MI¬¬92¬7178522171µ
N1¬ST¬¬92¬7178522171µ
N1¬SU¬¬92¬TESTµ
LIN¬¬BP¬50474-98¬¬¬PO¬B-0000000607µ
UIT¬EAµ
REF¬LF¬42 BRZµ
PER¬EX¬ PURCHASING REPRESENTATIVEµ
ATH¬PQ¬¬400¬¬20050923µ
FST¬0¬A¬D¬20050813µ
FST¬0¬D¬W¬20050815µ
FST¬0¬D¬W¬20050822µ
FST¬0¬D¬W¬20050829µ
FST¬0¬D¬W¬20050905µ
FST¬0¬D¬W¬20050912µ
FST¬0¬D¬W¬20050919µ
FST¬0¬D¬W¬20050926µ
FST¬0¬D¬W¬20051003µ
FST¬0¬D¬W¬20051010µ
FST¬0¬D¬W¬20051017µ
FST¬0¬D¬W¬20051024µ
FST¬0¬D¬W¬20051031µ
FST¬0¬D¬W¬20051107µ
FST¬0¬D¬W¬20051114µ
FST¬40¬D¬W¬20051121µ
FST¬0¬D¬W¬20051128µ
FST¬0¬D¬W¬20051205µ
FST¬0¬D¬W¬20051212µ
FST¬2¬D¬W¬20051219µ
FST¬0¬D¬W¬20051226µ
FST¬2¬D¬W¬20060102µ
FST¬4¬D¬W¬20060109µ
FST¬0¬D¬W¬20060116µ
FST¬2¬D¬W¬20060123µ
FST¬2¬D¬W¬20060130µ
FST¬2¬D¬W¬20060206µ
FST¬2¬D¬W¬20060213µ
FST¬2¬D¬W¬20060220µ
FST¬4¬D¬W¬20060227µ
FST¬4¬D¬W¬20060306µ
FST¬0¬D¬W¬20060313µ
FST¬0¬D¬W¬20060320µ
FST¬0¬D¬W¬20060327µ
FST¬4¬D¬W¬20060403µ
FST¬2¬D¬W¬20060410µ FST¬2¬D¬W¬20060417µ

FST¬0¬D¬W¬20060424µ

FST¬2¬D¬W¬20060501µ
FST¬4¬D¬W¬20060508µ
FST¬2¬D¬W¬20060515µ
FST¬0¬D¬W¬20060522µ
FST¬0¬D¬W¬20060529µ
FST¬4¬D¬W¬20060605µ
FST¬0¬D¬W¬20060612µ
FST¬4¬D¬W¬20060619µ
FST¬0¬D¬W¬20060626µ
FST¬0¬D¬W¬20060703µ
FST¬8¬D¬W¬20060710µ
FST¬4¬D¬W¬20060717µ
FST¬2¬D¬W¬20060724µ
FST¬4¬D¬W¬20060731µ
FST¬2¬D¬W¬20060807µ
FST¬40¬D¬F¬20050829¬20051212µ
FST¬80¬D¬F¬20050815¬20060807µ
SHP¬01¬40¬050¬20050510µ
REF¬SI¬00029768µ
SHP¬01¬40¬050¬20050802µ
REF¬SI¬00031114µ
SHP¬02¬400¬051¬19991005¬¬20050813µ
LIN¬¬BP¬50475-98¬¬¬PO¬B-0000000608µ
UIT¬EAµ
REF¬LF¬42 BRZµ
PER¬EX¬ PURCHASING REPRESENTATIVEµ
ATH¬PQ¬¬400¬¬20050923µ
FST¬0¬A¬D¬20050813µ
FST¬0¬D¬W¬20050815µ
FST¬0¬D¬W¬20050822µ
FST¬0¬D¬W¬20050829µ
FST¬0¬D¬W¬20050905µ
FST¬0¬D¬W¬20050912µ
FST¬0¬D¬W¬20050919µ
FST¬0¬D¬W¬20050926µ
FST¬0¬D¬W¬20051003µ
FST¬0¬D¬W¬20051010µ
FST¬0¬D¬W¬20051017µ
FST¬0¬D¬W¬20051024µ
FST¬0¬D¬W¬20051031µ
FST¬0¬D¬W¬20051107µ
FST¬0¬D¬W¬20051114µ
FST¬40¬D¬W¬20051121µ
FST¬0¬D¬W¬20051128µ
FST¬0¬D¬W¬20051205µ
FST¬0¬D¬W¬20051212µ
FST¬2¬D¬W¬20051219µ
FST¬0¬D¬W¬20051226µ
FST¬2¬D¬W¬20060102µ
FST¬4¬D¬W¬20060109µ
FST¬0¬D¬W¬20060116µ
FST¬2¬D¬W¬20060123µ
FST¬2¬D¬W¬20060130µ
FST¬2¬D¬W¬20060206µ
FST¬2¬D¬W¬20060213µ
FST¬2¬D¬W¬20060220µ

FST¬4¬D¬W¬20060227µ
FST¬4¬D¬W¬20060306µ
FST¬0¬D¬W¬20060313µ
FST¬0¬D¬W¬20060320µ
FST¬0¬D¬W¬20060327µ
FST¬4¬D¬W¬20060403µ
FST¬2¬D¬W¬20060410µ
FST¬2¬D¬W¬20060417µ
FST¬0¬D¬W¬20060424µ
FST¬2¬D¬W¬20060501µ
FST¬4¬D¬W¬20060508µ
FST¬2¬D¬W¬20060515µ
FST¬0¬D¬W¬20060522µ
FST¬0¬D¬W¬20060529µ
FST¬4¬D¬W¬20060605µ
FST¬0¬D¬W¬20060612µ
FST¬4¬D¬W¬20060619µ
FST¬0¬D¬W¬20060626µ
FST¬0¬D¬W¬20060703µ
FST¬8¬D¬W¬20060710µ
FST¬4¬D¬W¬20060717µ
FST¬2¬D¬W¬20060724µ
FST¬4¬D¬W¬20060731µ
FST¬2¬D¬W¬20060807µ
FST¬40¬D¬F¬20050829¬20051212µ
FST¬79¬D¬F¬20050815¬20060807µ
SHP¬01¬-50¬050¬20050802µ
REF¬SI¬00031115µ
SHP¬01¬40¬050¬20050803µ
REF¬SI¬00031115µ
SHP¬02¬400¬051¬19991005¬¬20050813µ
CTT¬2¬459µ
SE¬137¬000002528µ
GE¬1¬2541µ
IEA¬1¬000008736µ

Data Example of Parts & Accessories 830

ST¬830¬000001765µ
BFR¬00¬¬00025211¬DL¬A¬20041122¬20051121¬20041121µ
N1¬MI¬¬92¬4143438416µ
N1¬SU¬¬92¬TESTµ
LIN¬¬BP¬51093-04¬DR¬0µ
UIT¬EAµ
PER¬EX¬PURCHASING REPRESENTATIVEµ
FST¬0¬D¬W¬20041122µ
FST¬12¬D¬W¬20041129µ
FST¬0¬D¬W¬20041206µ
FST¬12¬D¬W¬20041213µ
FST¬24¬D¬W¬20041220µ
FST¬36¬D¬W¬20041227µ
FST¬36¬D¬W¬20050103µ
FST¬36¬D¬W¬20050110µ
FST¬36¬D¬W¬20050117µ
FST¬36¬D¬W¬20050124µ
FST¬36¬D¬W¬20050131µ
FST¬24¬D¬W¬20050207µ
FST¬36¬D¬W¬20050214µ
FST¬36¬D¬W¬20050221µ
FST¬24¬D¬W¬20050228µ
FST¬36¬D¬W¬20050307µ
FST¬36¬D¬W¬20050314µ
FST¬24¬D¬W¬20050321µ
FST¬36¬D¬W¬20050328µ
FST¬36¬D¬W¬20050404µ
FST¬24¬D¬W¬20050411µ
FST¬36¬D¬W¬20050418µ
FST¬36¬D¬W¬20050425µ
FST¬36¬D¬W¬20050502µ
FST¬36¬D¬W¬20050509µ
FST¬36¬D¬W¬20050516µ
FST¬48¬D¬W¬20050523µ
FST¬36¬D¬W¬20050530µ
FST¬48¬D¬W¬20050606µ
FST¬48¬D¬W¬20050613µ
FST¬48¬D¬W¬20050620µ
FST¬60¬D¬W¬20050627µ
FST¬48¬D¬W¬20050704µ
FST¬48¬D¬W¬20050711µ
FST¬48¬D¬W¬20050718µ
FST¬36¬D¬W¬20050725µ
FST¬48¬D¬W¬20050801µ
FST¬48¬D¬W¬20050808µ
FST¬36¬D¬W¬20050815µ
FST¬36¬D¬W¬20050822µ
FST¬36¬D¬W¬20050829µ
FST¬36¬D¬W¬20050905µ
FST¬24¬D¬W¬20050912µ
FST¬24¬D¬W¬20050919µ

FST¬24¬D¬W¬20050926µ
FST¬12¬D¬W¬20051003µ
FST¬24¬D¬W¬20051010µ
FST¬24¬D¬W¬20051017µ
FST¬24¬D¬W¬20051024µ
FST¬24¬D¬W¬20051031µ
FST¬24¬D¬W¬20051107µ
FST¬24¬D¬W¬20051114µ
FST¬1692¬D¬F¬20041122¬20051121µ
CTT¬1¬1692µ
SE¬62¬000001765µ

Document Update

January 2014 Update

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