

862 Shipping Schedule

Functional Group ID=**SS**

Introduction:

This Draft Standard for Trial Use contains the format and establishes the data contents of the Shipping Schedule Transaction Set (862) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used by a customer to convey precise shipping schedule requirements to a supplier, and is intended to supplement the planning schedule transaction set (830). The shipping schedule transaction set will supersede certain shipping and delivery information transmitted in a previous planning schedule transaction, but it does not replace the 830 transaction set. The shipping schedule transaction set shall not be used to authorize labor, materials or other resources. The use of this transaction set will facilitate the practice of Just-In-Time (JIT) manufacturing by providing the customer with a mechanism to issue precise shipping schedule requirements on a more frequent basis than with the issuance of a planning schedule transaction, e.g., daily shipping schedules versus weekly planning schedules. The shipping schedule transaction also provides the ability for a customer location to issue shipping requirements independent of other customer locations when planning schedule transactions are issued by a consolidated scheduling organization.

Heading:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1		
			LOOP ID - N1			200	
Must Use	050	N1	Name	M	1		

Detail:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
			LOOP ID - LIN			10000	
Must Use	010	LIN	Item Identification	M	1		
Must Use	020	UIT	Unit Detail	M	1		
			LOOP ID - FST			100	
Must Use	080	FST	Forecast Schedule	M	1		
			LOOP ID - SHP			10	
Must Use	140	SHP	Shipped/Received Information	M	1		
Must Use	150	REF	Reference Identification	M	12		
Must Use	140	SHP	Shipped/Received Information	M	1		

Summary:

	<u>Pos. No.</u>	<u>Seg. ID</u>	<u>Name</u>	<u>Req. Des.</u>	<u>Max.Use</u>	<u>Loop Repeat</u>	<u>Notes and Comments</u>
Must Use	010	CTT	Transaction Totals	M	1		n1
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. The number of lines items (CTT01) is the accumulation of number of LIN segments. If used, hash total (CTT02) is the sum of the value of the quantities (FST01) for each FST segment.

Segment: **ST** Transaction Set Header
Position: 010
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the start of a transaction set and to assign a control number
Semantic Notes: 1 The transaction set identifier (ST01) is used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	ST01	143	Transaction Set Identifier Code Code uniquely identifying a Transaction Set Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 3/3
Must Use	ST02	329	Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9

Segment: **BSS** **Beginning Segment for Shipping Schedule/Production Sequence**
Position: 020
Loop:
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set
Semantic Notes:

- 1 Use BSS02 to indicate a document number.
- 2 Use BSS03 to indicate the date of this document.
- 3 Use BSS05 to indicate the schedule horizon start date (the date when the schedule begins).
- 4 Use BSS06 to indicate the schedule horizon end date (the date when the schedule ends).
- 5 BSS08 is the identifying number for a forecast assigned by the orderer/purchaser.

Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	BSS01	353	Transaction Set Purpose Code Code identifying purpose of transaction set (e.g. 00 = Original; 01 = Cancellation; 02 = Add; 03 = Delete; 04 = Change; 05 = Replace) Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	BSS02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30
Must Use	BSS03	373	Date Date (YYMMDD)	M DT 6/6
Must Use	BSS04	675	Schedule Type Qualifier Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast (e.g. DL = Delivery Based; PD = Planned Delivery Based; SH = Shipment Based) Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 2/2
Must Use	BSS05	373	Date Date (YYMMDD)	M DT 6/6
Must Use	BSS06	373	Date Date (YYMMDD)	M DT 6/6
Must Use	BSS10	324	Purchase Order Number Identifying number for Purchase Order assigned by the orderer/purchaser	M AN 1/22

Segment: **N1** Name
Position: 050
Loop: N1 Mandatory
Level: Heading:
Usage: Mandatory
Max Use: 1
Purpose: To identify a party by type of organization, name, and code
Semantic Notes:
Comments:

- 1 This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
- 2 N105 and N106 further define the type of entity in N101.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	Entity Identifier Code Code identifying an organizational entity, a physical location, or an individual When SU is used, N103 = 92	M ID 2/2
			MI Planning Schedule/Material Release Issuer ST Ship To SU Supplier/Manufacturer	
Must Use	N102	93	Name Free-form name	M AN 1/35
Must Use	N103	66	Identification Code Qualifier Code designating the system/method of code structure used for Identification Code (67)	M ID 1/2
			1 D-U-N-S Number, Dun & Bradstreet 92 Assigned by Buyer or Buyer's Agent	
Must Use	N104	67	Identification Code Code identifying a party or other code	M AN 2/20

Segment: **LIN** Item Identification
Position: 010
Loop: LIN Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify basic item identification data
Semantic Notes: 1 LIN01 is the line item identification
Comments: 1 See the Data Dictionary for a complete list of IDs.
 2 LIN02 through LIN31 provide for fifteen different product/service IDs for each item.
 For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.

Data Element Summary

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
Must Use	LIN02	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) BP Buyer's Part Number	M ID 2/2
Must Use	LIN03	234	Product/Service ID Identifying number for a product or service	M AN 1/40
Must Use	LIN04	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PO Purchase Order Number	M ID 2/2
Must Use	LIN05	234	Product/Service ID Identifying number for a product or service	M AN 1/40
Must Use	LIN06	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) PL Purchaser's Order Line Number	M ID 2/2
Must Use	LIN07	234	Product/Service ID Identifying number for a product or service	M AN 1/40
Must Use	LIN08	235	Product/Service ID Qualifier Code identifying the type/source of the descriptive number used in Product/Service ID (234) EC Engineering Change Level	M ID 2/2
Must Use	LIN09	234	Product/Service ID Identifying number for a product or service	M AN 1/40

Segment: **UIT** Unit Detail
Position: 020
Loop: LIN Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify item unit data
Semantic Notes:
Comments:

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	UIT01	C001	Composite Unit of Measure To identify a composite unit of measure (See Figures Appendix for examples of use)	M
Must Use	C00101	355	Unit or Basis for Measurement Code Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 2/2

Segment: **FST Forecast Schedule**
Position: 080
Loop: FST Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify the forecasted dates and quantities
Semantic Notes: 1 If FST03 equals "F" (indicating flexible interval), then FST04 and FST05 are required. FST04 would be used for the start date of the flexible interval and FST05 would be used for the end date of the flexible interval.
Comments: 1 As qualified by FST02 and FST03, FST04 represents either a discrete forecast date, the first date of a forecasted bucket (weekly, monthly, quarterly, etc.) or the start date of a flexible interval.
 2 FST06 qualifies the time in FST07. The purpose of the FST07 element is to express the specific time of day in a 24-hour clock to satisfy "just-in-time" requirements. As an alternative, the ship/delivery pattern segment (SDP) may be used to define an approximate time, such as a.m. or p.m.

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	FST01	380	Quantity Numeric value of quantity	M R 1/15
Must Use	FST02	680	Forecast Qualifier Code specifying the sender's confidence level of the forecast data or an action associated with a forecast (e.g. C = Firm; D = Planning) Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 1/1
Must Use	FST03	681	Forecast Timing Qualifier Code specifying interval grouping of the forecast (e.g. A = Annually (Calendar Year); C = Daily; M = Monthly Bucket (Calendar Months); W = Weekly Bucket (Monday through Sunday)) Refer to 003060 Data Element Dictionary for acceptable code values.	M ID 1/1
Must Use	FST04	373	Date Date (YYMMDD)	M DT 6/6

Segment: **SHP** Shipped/Received Information
Position: 140
Loop: SHP Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify shipment and/or receipt information
Semantic Notes: 1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
 2 SHP06 is the cumulative quantity end date.
Comments: 1 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
 2 If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SHP01	673	Quantity Qualifier Code specifying the type of quantity 01 Discrete Quantity	M ID 2/2
Must Use	SHP02	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time 050 Received	M ID 3/3
Must Use	SHP04	373	Date Date (YYMMDD)	M DT 6/6

Segment: **REF** Reference Identification
Position: 150
Loop: SHP Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 12
Purpose: To specify identifying information
Semantic Notes: 1 REF04 contains data relating to the value cited in REF02.
Comments:

Data Element Summary

	<u>Ref. Des.</u>	<u>Data Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	REF01	128	Reference Identification Qualifier Code qualifying the Reference Identification SI Shipper's Identifying Number for Shipment (SID) A unique number (to the shipper) assigned by the shipper to identify the shipment	M ID 2/3
Must Use	REF02	127	Reference Identification Reference information as defined for a particular Transaction Set or as specified by the Reference Identification Qualifier	M AN 1/30

Segment: **SHP** Shipped/Received Information
Position: 140
Loop: SHP Mandatory
Level: Detail:
Usage: Mandatory
Max Use: 1
Purpose: To specify shipment and/or receipt information
Semantic Notes: 1 SHP04 is the date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
 2 SHP06 is the cumulative quantity end date.
Comments: 1 The SHP segment is used to communicate shipment, delivery, or receipt information and may include discrete or cumulative quantities, dates, and times.
 2 If SHP01 equals "02", "07", "08", "09", or "10" (indicating cumulative quantities), then SHP04 and SHP06 are required to identify the start and end dates of the quantity count.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SHP01	673	Quantity Qualifier Code specifying the type of quantity	M ID 2/2
			02 Cumulative Quantity	
Must Use	SHP02	380	Quantity Numeric value of quantity	M R 1/15
Must Use	SHP03	374	Date/Time Qualifier Code specifying type of date or time, or both date and time	M ID 3/3
			051 Cumulative Quantity Start	
Must Use	SHP04	373	Date Date (YYMMDD)	M DT 6/6

Segment: **CTT Transaction Totals**
Position: 010
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
Purpose: To transmit a hash total for a specific element in the transaction set
Semantic Notes:
Comments: 1 This segment is intended to provide hash totals to validate transaction completeness and correctness.

Data Element Summary

	<u>Ref.</u> <u>Des.</u>	<u>Data</u> <u>Element</u>	<u>Name</u>	<u>Attributes</u>
Must Use	CTT01	354	Number of Line Items Total number of line items in the transaction set	M N0 1/6
	CTT02	347	Hash Total Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	O R 1/10

Example:

-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ----- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.

Segment: **SE** **Transaction Set Trailer**
Position: 020
Loop:
Level: Summary:
Usage: Mandatory
Max Use: 1
Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)
Semantic Notes:
Comments: 1 SE is the last segment of each transaction set.

Data Element Summary

	Ref.	Data	Attributes
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
Must Use	SE01	96 Number of Included Segments Total number of segments included in a transaction set including ST and SE segments	M N0 1/10
Must Use	SE02	329 Transaction Set Control Number Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	M AN 4/9