



PART 11:

862 (SHIPPING SCHEDULE)

ANSI X.12 - RELEASE 004010

This CMI standard provides the format and establishes the data contents of the Shipping Schedule Transaction Set (862). 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 replace certain shipping and delivery information transmitted in a previous transaction set, but it does not replace the 830 Transaction Set. The shipping schedule transaction set shall not be used to authorize labor, material, 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.

Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat
<i>Data Segment Sequence for the Heading Area</i>				
ST	Transaction Set Header	M	1	
BSS	Beg Seg for Shipping/Production Seq.	M	1	
N1	Name	O	1	N1/200
<i>Data Segment Sequence for the Detail Area</i>				
LIN	Item Identification	M	1	LIN/1000
UIT	Unit Detail	M	1	
REF	Reference Identification	O	12	
FST	Forecast Schedule	O	1	LIN/FST 100
SHP	Shipped/Received Information	O	1	LIN/SHP 10
REF	Reference Identification	O	12	
<i>Data Segment Sequence for the Summary Area</i>				
CTT	Transaction Totals	O	1	
SE	Transaction Set Trailer	M	1	

GLOSSARY

Abbreviations in the columns headed **Req. Des.** (Requirement Designation) have the following definitions:

- C (Conditional) The presence of this item is dependent on the presence or absence of other items.
- F (Floating) This is used only for the NTE segment that may appear anywhere in the transaction set between the transaction set header and the transaction set trailer.
- M (Mandatory) This data segment shall be included in the transaction set. (Note that though a data segment may be mandatory in a loop of data segments, the loop itself is optional if the beginning segment of the loop is designated as optional.)
- N (Not Used) CMI does not use this segment at this time.
- O (Optional) The presence of this data segment is at the option of the sending party.

Segment: ST - Transaction Set Header

Level: Heading

Max. Use: 1

Purpose: To indicate the start of the 862 transaction set and assign a transaction control number.

Comments: The transaction set control number (data element ST02) in the header must match the transaction set control number in the trailer (data element SE02).

Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
ST01	143	Transaction Set ID Code	M ID 3/3	862
ST02	329	Transaction Set Control Number	M AN 4/9	A unique number assigned to each transaction set. This value must match the corresponding value in data element SE02.

Segment: BSS - Beginning Segment for Shipping Schedule/Production Sequence
 Level: Heading
 Max. Use: 1
 Purpose: To transmit identifying numbers, dates, and other basic data relating to the transaction set.
 Comments: Either BSS07 or BSS08 must be used, but not both.
 Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
BSS01	353	Transaction Set Purpose Code	M ID 2/2	05 = Replace
BSS02	127	Reference Identification	M AN 1/30	Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.
BSS03	373	Date	M DT 8/8	Format is YYYYMMDD
BSS04	675	Schedule Type Qualifier	M ID 2/2	DL = Delivery Based KB = Kanban Signal SH = Shipment Based
BSS05	373	Date	M DT 8/8	Format is YYYYMMDD
BSS06	373	Date	M DT 8/8	Format is YYYYMMDD
BSS07	328	Release Number	X AN 1/30	Will be the number identifying a release against a Purchase Order previously placed by the parties involved in the transaction
BSS08	127	Reference Identification	X AN 1/30	Not Used
BSS09	367	Contract Number	O AN 1/30	Not Used
BSS10	324	Purchase Order Number	O AN 1/22	If there is only one purchase order number for the entire schedule, use the PO number; otherwise, put the PO number in the LIN segment.
BSS11	676	Schedule Quantity Qualifier	O ID 1/1	A = Actual Discrete Quantities

Segment: N1 - Name

Level: Heading

Max. Use: 1

Purpose: To identify a party by type of organization, name, and code.

Example: N1*ST*CMI COMPETITIVE SOLUTIONS, INC.*01*009571302

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
N101	098	Entity ID Code	M ID 2/2	BT = Bill-to Party ST = Ship-to Location SU = Supplier Location* SF = Ship-from Location* MI = Planning Schedule/Material Release Issuer
N102	093	Name	O AN 1/35	Company Name
N103	066	ID Code Qualifier	M ID 1/2	Any Valid ANSI Data Element
N104	067	ID Code	M AN 2/9	

***Note:** RPS users have the ability to define the data elements used in the N1*SU and N1*SF segments on the 862 document via fields in Vendor Communications Update (SRPS1,4). If any of these fields are left null, the data will default from the vendor file (Vendor Maintenance; SRPS1,2). The controlling vendor code will then be used in the N1*SU segment and the sub-vendor code will be used in the N1*SF segment.

Segment: LIN - Item Identification
 Level: Detail
 Max. Use: 1
 Purpose: To specify basic item identification data.
 Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
LIN01	350	Assigned Ident.	O AN 1/20	Not Used
LIN02	235	Product/Service ID Qualifier	M ID 2/2	BP = Buyer's Part Number If a Buyer's Part Number is not available, then select a qualifier from the codes listed under LIN04 to identify the item.
LIN03	234	Product/Service ID	M AN 1/48	Will be the identifying number for a product or service
LIN04	235	Product/Service ID Qualifier	X ID 2/2	CN = Commodity Name CR = Contract Number DR = Drawing Revision Number EC = Engineering Change Level KP = Kanban Plan Number PL = Purchaser's Order Line Number PO = Purchase Order Number PR = Process Number RN = Release Number RY = Record Keeping or Model Year VP = Vendor's Part Number
LIN05	234	Product/Service ID	X AN 1/48	Will be the identifying number for a product or service

Note: If multiple PO numbers exist, the PO number will show up on the LIN segment for each detail; otherwise, the PO number will show up on the BSS segment.

Segment: UIT - Unit Detail
Level: Detail
Max. Use: 1
Purpose: To specify item unit data.
Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
UIT01	355	Unit of Measure Code	M ID 2/2	This should be the same unit of measure as specified in the Planning Schedule Transaction Set (830).
UIT02	212	Unit Price	X R 1/17	Not Used
UIT03	639	Basis of Unit Price Code	O ID 2/2	Not Used

Segment: REF - Reference Numbers
 Level: Detail
 Max. Use: 12
 Purpose: To specify identifying information.
 Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference ID Qualifier	M ID 2/3	DK = Dock Number KB = Beginning Kanban Serial Number KE = Ending Kanban Serial Number LF = Assembly Line Feed Location RL = Reserve Assembly Line Feed Location
REF02	127	Reference Identification	X AN 1/30	Reference information as defined for a particular transaction set or as specified by the Reference Identification Qualifier.
REF03	352	Description	X AN 1/80	Not Used
REF04	C040	Reference Identifier	O	Not Used

Segment: FST - Forecast Schedule
 Level: Detail
 Max. Use: 1
 Purpose: To specify the forecasted dates and quantities.
 Comments: At least one FST loop is required.
 Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
FST01	380	Quantity	M R 1/15	If the JIT segment is used, then this must equal the sum of all JIT requirements for the period covered by the FST segment.
FST02	680	Forecast Qualifier	M ID 1/1	C = Firm
FST03	681	Forecast Timing Qualifier	M ID 1/1	D = Discrete
FST04	373	Date	M DT 8/8	Format is YYYYMMDD
FST05	373	Date	O DT 8/8	Not Used
FST06	374	Date/Time Qualifier	X ID 3/3	Not Used
FST07	337	Time	X TM 4/8	Not Used
FST08	128	Reference ID Qualifier	X ID 2/3	Not Used
FST09	127	Reference Identification	X AN 1/30	Not Used
FST10	783	Planning Schedule Type Code	O ID 2/2	Not Used

Segment: SHP - Shipped/Received Information
 Level: Detail
 Max. Use: 1
 Purpose: To specify shipment and/or receipt information.
 Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SHP01	673	Quantity Qualifier	O ID 2/2	01 = Discrete Quantity 02 = Cumulative Quantity
SHP02	380	Quantity	X R 1/15	The numeric value of the quantity.
SHP03	374	Date/Time Qualifier	X ID 3/3	When SHP = 01: 011 Shipped 050 Received When SHP = 02: 011 Shipped 050 Received 051 Cum Qty
SHP04	373	Date	X DT 8/8	Format is YYYYMMDD
SHP05	337	Time	X TM 8/8	
SHP06	373	Date	O DT 8/8	Not Used
SHP07	337	Time	O TM 8/8	Not Used

Segment: REF - Reference Numbers

Level: Detail

Max. Use: 1

Purpose: To transmit identifying numbers associated with named party.

Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
REF01	128	Reference ID Qualifier	M ID 2/3	SI = Last Received Shipment Identification Number
REF02	127	Reference Identification	X AN 1/30	Last Shipper Number
REF03	352	Description	X AN 1/80	Not Used
REF04	C040	Reference Identifier	O	Not Used

Segment: CTT - Transaction Totals

Level: Summary

Max. Use: 1

Purpose: To transmit a hash total for the forecast quantity within the transaction set.

Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
CTT01	354	Number of Line Items	M N0 1/6	Total Number of LIN Segments
CTT02	347	Hash Total	O R 1/10	
CTT03	081	Weight	X R 1/10	Not Used
CTT04	355	Unit of Measure Code	X ID 2/2	Not Used
CTT05	183	Volume	X R 1/8	Not Used
CTT06	355	Unit of Measure Code	X ID 2/2	Not Used
CTT07	352	Description	O AN 1/80	Not Used

Segment: SE - Transaction Set Trailer

Level: Summary

Max. Use: 1

Purpose: To indicate the end of the transaction set and provide the count of the transmitted segments.

Comments: The transaction control number (SE02) must be identical to the transaction set control number in the ST segment (ST02).

Example:

ELEM ID	ELE#	NAME	FEATURES	COMMENTS
SE01	096	Number of Included Segments	M N0 1/10	Number of Segments Including SE and ST
SE02	329	Transaction Set Control Number	M AN 4/9	Same as ST02