Eaton Corporation
Electronic Data Interchange (EDI) Standards
862 Shipping Schedule
Version 4010

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862 Shipping Schedule

Functional Group=SS

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:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	ST	Transaction Set Header	M	1			Must use
020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1			Must use
LOOP ID - N1					**200**		
050	N1	Name	O	1			Used

Detail:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
LOOP ID - LIN					**10000**		
010	LIN	Item Identification	M	1			Must use
020	UIT	Unit Detail	M	1			Must use
050	REF	Reference Identification	O	12			Used
LOOP ID - FST					**100**		
080	FST	Forecast Schedule	O	1			Used
LOOP ID - JIT					**96**		
110	JIT	Just-In-Time Schedule	O	1			Used
LOOP ID - SHP					**10**		
140	SHP	Shipped/Received Information	O	1			Used
150	REF	Reference Identification	O	12			Used

Summary:

Pos	Id	Segment Name	Req	Max Use	Repeat	Notes	Usage
010	CTT	Transaction Totals	O	1		N3/010	Used
020	SE	Transaction Set Trailer	M	1			Must use

Notes:

3/010 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.

ST Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ST01	**143**	**Transaction Set Identifier Code**	**M**	**ID**	**3/3**	**Must use**
		Code / **Name**: 862 Shipping Schedule				
ST02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**	**Must use**

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).

BSS Beginning Segment for Shipping Schedule/Production Sequence

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 7

To transmit identifying numbers, dates, and other basic data relating to the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
BSS01	**353**	**Transaction Set Purpose Code**	**M**	**ID**	**2/2**	**Must use**
		Code: 05 — Name: Replace				
BSS02	**127**	**Reference Identification**	**M**	**AN**	**1/30**	**Must use**
BSS03	**373**	**Date**	**M**	**DT**	**8/8**	**Must use**
BSS04	**675**	**Schedule Type Qualifier**	**M**	**ID**	**2/2**	**Must use**
		Code: DL — Name: Delivery Based				
BSS05	**373**	**Date**	**M**	**DT**	**8/8**	**Must use**
BSS06	**373**	**Date**	**M**	**DT**	**8/8**	**Must use**
BSS11	**676**	**Schedule Quantity Qualifier**	**O**	**ID**	**1/1**	**Used**
		Code: A — Name: Actual Discrete Quantities				

Syntax:

1. BSS07 R0708 -- At least one of BSS07 or BSS08 is required.

Semantics:

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.

N1 Name

Pos: 050	Max: 1
Heading - Optional	
Loop: N1	Elements: 3

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

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
N101	**98**	**Entity Identifier Code**	**M**	**ID**	**2/3**	**Must use**
		Code / **Name** MI Planning Schedule/Material Release Issuer SF Ship From ST Ship To SU Supplier/Manufacturer				
N103	**66**	**Identification Code Qualifier**	**C**	**ID**	**1/2**	**Used**
		Code / **Name** 1 D-U-N-S Number, Dun & Bradstreet				
N104	**67**	**Identification Code**	**C**	**AN**	**2/80**	**Used**

Syntax:

1. N102 R0203 -- At least one of N102 or N103 is required.
2. N103

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.

LIN Item Identification

Pos: 010 Max: 1
Detail - Mandatory
Loop: LIN Elements: 11

To specify basic item identification data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
LIN01	**350**	**Assigned Identification**	**O**	**AN**	**1/20**	**Used**
LIN02	**235**	**Product/Service ID Qualifier**	**M**	**ID**	**2/2**	**Must use**
		Code: BP — Buyer's Part Number EC — Engineering Change Level PD — Part Number Description PO — Purchase Order Number VP — Vendor's (Seller's) Part Number				
LIN03	**234**	**Product/Service ID**	**M**	**AN**	**1/48**	**Must use**
LIN04	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**
LIN05	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**
LIN06	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**
LIN07	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**
LIN08	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**
LIN09	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**
LIN10	**235**	**Product/Service ID Qualifier**	**C**	**ID**	**2/2**	**Used**
LIN11	**234**	**Product/Service ID**	**C**	**AN**	**1/48**	**Used**

Syntax:

1. LIN04 P0405 -- If either LIN04 or LIN05 are present, then the others are required.
2. LIN06 P0607 -- If either LIN06 or LIN07 are present, then the others are required.
3. LIN08 P0809 -- If either LIN08 or LIN09 are present, then the others are required.
4. LIN10 P1011 -- If either LIN10 or LIN11 are present, then the others are required.
5. LIN12 P1213 -- If either LIN12 or LIN13 are present, then the others are required.
6. LIN14 P1415 -- If either LIN14 or LIN15 are present, then the others are required.
7. LIN16 P1617 -- If either LIN16 or LIN17 are present, then the others are required.
8. LIN18 P1819 -- If either LIN18 or LIN19 are present, then the others are required.
9. LIN20 P2021 -- If either LIN20 or LIN21 are present, then the others are required.
10. LIN22 P2223 -- If either LIN22 or LIN23 are present, then the others are required.
11. LIN24 P2425 -- If either LIN24 or LIN25 are present, then the others are required.
12. LIN26 P2627 -- If either LIN26 or LIN27 are present, then the others are required.
13. LIN28 P2829 -- If either LIN28 or LIN29 are present, then the others are required.
14. LIN30 P3031 -- If either LIN30 or LIN31 are present, then the others are required.

Semantics:

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.

UIT Unit Detail

Pos: 020 Max: 1
Detail - Mandatory
Loop: LIN Elements: 1

To specify item unit data

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
UIT01	**C001**	**Composite Unit of Measure**	**M**	**Comp**		**Must use**
	355	**Unit or Basis for Measurement Code**	**M**	**ID**	**2/2**	**Must use**

Code	Name
KG	Kilogram
PC	Piece

Syntax:

1. UIT03 C0302 -- If UIT03 is present, then UIT02 is required

REF Reference Identification

Pos: 050	Max: 12
Detail - Optional	
Loop: LIN	Elements: 2

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**	**Must use**
		Code / **Name** DK Dock Number LF Assembly Line Feed Location				
REF02	**127**	**Reference Identification**	**C**	**AN**	**1/30**	**Used**

Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

FST Forecast Schedule

Pos: 080	Max: 1
Detail - Optional	
Loop: FST	Elements: 6

To specify the forecasted dates and quantities

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
FST01	**380**	**Quantity**	**M**	**R**	**1/15**	**Must use**
FST02	**680**	**Forecast Qualifier**	**M**	**ID**	**1/1**	**Must use**
		Code / **Name**: C / Firm				
FST03	**681**	**Forecast Timing Qualifier**	**M**	**ID**	**1/1**	**Must use**
		Code / **Name**: D / Discrete				
FST04	**373**	**Date**	**M**	**DT**	**8/8**	**Must use**
FST08	**128**	**Reference Identification Qualifier**	**C**	**ID**	**2/3**	**Used**
		Code / **Name**: RE / Release Number				
FST09	**127**	**Reference Identification**	**C**	**AN**	**1/30**	**Used**
		User: Qualifier 'RE' is used to indicate the release and shipment number for the quantity. Release will appear first and will be separated by shipment				
		Eaton on all documents (both paper and EDI).				

Syntax:

1. FST06 P0607 -- If either FST06 or FST07 are present, then the others are required.
2. FST08 P0809 -- If either FST08 or FST09 are present, then the others are required.

Semantics:

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.

JIT Just-In-Time Schedule

Pos: 110	Max: 1
Detail - Optional	
Loop: JIT	Elements: 2

To identify the specific shipping/delivery time in terms of a 24-hour clock and identify the associated quantity

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
JIT01	380	Quantity	M	R	1/15	Must use
JIT02	337	Time	M	TM	4/8	Must use

SHP Shipped/Received Information

Pos: 140	Max: 1
Detail - Optional	
Loop: SHP	Elements: 4

To specify shipment and/or receipt information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SHP01	**673**	**Quantity Qualifier**	**O**	**ID**	**2/2**	**Used**
		Code / Name: 01 Discrete Quantity; 02 Cumulative Quantity				
SHP02	**380**	**Quantity**	**C**	**R**	**1/15**	**Used**
SHP03	**374**	**Date/Time Qualifier**	**C**	**ID**	**3/3**	**Used**
		Code / Name: 011 Shipped; 050 Received; 051 Cumulative Quantity Start				
SHP04	**373**	**Date**	**C**	**DT**	**8/8**	**Used**

Syntax:

1. SHP01 C0102 -- If SHP01 is present, then SHP02 is required
2. SHP03 L030405 -- If SHP03 is present, then at least one of SHP04 or SHP05 is required.
3. SHP04 C0403 -- If SHP04 is present, then SHP03 is required
4. SHP05 C0503 -- If SHP05 is present, then SHP03 is required

Semantics:

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.

REF Reference Identification

Pos: 150	Max: 12
Detail - Optional	
Loop: SHP	Elements: 2

To specify identifying information

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
REF01	**128**	**Reference Identification Qualifier**	**M**	**ID**	**2/3**	**Must use**
		Code / **Name** SI / Shipper's Identifying Number for Shipment (SID)				
REF02	**127**	**Reference Identification**	**C**	**AN**	**1/30**	**Used**

Syntax:

1. REF02 R0203 -- At least one of REF02 or REF03 is required.

Semantics:

1. REF04 contains data relating to the value cited in REF02.

CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: N/A	Elements: 1

To transmit a hash total for a specific element in the transaction set

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
CTT01	354	Number of Line Items	M	N0	1/6	Must use

Syntax:

1. CTT03 P0304 -- If either CTT03 or CTT04 are present, then the others are required.
2. CTT05 P0506 -- If either CTT05 or CTT06 are present, then the others are required.

Comments:

1. This segment is intended to provide hash totals to validate transaction completeness and correctness.

SE Transaction Set Trailer

Pos: 020 Max: 1
Summary - Mandatory
Loop: N/A Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
SE01	**96**	**Number of Included Segments**	**M**	**N0**	**1/10**	**Must use**
SE02	**329**	**Transaction Set Control Number**	**M**	**AN**	**4/9**	**Must use**

Comments:

1. SE is the last segment of each transaction set.

Eaton Corporation
EDI Shipping Schedule (862) sample

ST*862*53131

BSS*05*20001101-53131*20001101*DL*20001101*20010831*****A

Schedule **20001101-53131**, dated **11/01/00**, covering the period from **08/31/00** to **11/01/00** is a **replacement** to prior schedules. Part quantities are **actual** amounts and are to be **delivered** by the date indicated.

N1*ST**1*074499419

Ship to location is **074499419**

N1*SF**1*004242004

Ship from location is **004242004**

LIN*57*BP*4301958*PO*1036

Requirements are against purchase order **1036**, line **57**, **Eaton part 4301958**.

UIT*PC

Unit of measure is **pieces**.

FST*1000*C*D*20001214****RE*3483-1

A **firm** requirement of **1000** pieces is due **12/14/00**. The release is **3483** and the shipment number is **1**.

FST*110*D*D*20010315

A **planned** quantity of **110** pieces is due **03/15/00**.

FST*121*D*D*20010322

A **planned** quantity of **121** pieces is due **3/22/00**.

SHP*01*1500*050*20000901

The last quantity **received** of this part was **1500** pieces on **09/01/00**.

SHP*02*3000*051*20000101**20001101

From the period **01/01/00** through **11/01/00**, **3000** pieces of this part have been received.

CTT*1

SE*13*53131