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# EDI Implementation Guidelines

ANSI X12 Version /Release 3020  
862 Shipping Schedule



# 862 Shipping Schedule

Functional Group ID= **SS**

## Introduction:

This standard provides the format and establishes the data contents of a shipping schedule transaction set within the context of an electronic data interchange (EDI) environment. The shipping schedule transaction set provides the ability for 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 No	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes Comments
M	010	ST	Transaction Set Header	M	1		
M	020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1		
	030	DTM	Date/Time/Period	O	10		
	040	NTE	Note/Special Instruction	F	100		
			LOOP-ID – N1			200	
M	050	N1	Name	M	1		
Not Used	070	N2	Additional Name Information	O	2		

Not Used	080	N4	Geographic Location	O	1		
Not Used	090	REF	Reference Numbers	O	12		
Not Used	100	PER	Administrative Communications Contact	O	3		
Not Used	110	FOB	F.O.B. Related Instructions	O	1		

### Detail:

	Pos No	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes Comments
			LOOP-ID-LIN			10000	
M	010	LIN	Item Identification	M	1		
M	020	UIT	Unit Detail	M	1		
Not Used	030	PKG	Marking, Packaging, Loading	O	>1		
Not Used	040	PO4	Item Physical Details	O	>1		
Not Used	045	PRS	Part Release Status	O	1		
Not Used	050	REF	Reference Numbers	O	12		
Not Used	060	PER	Administrative Communications Contact	O	1		
M	070	SDP	Ship/Delivery Pattern	M	1		
			LOOP ID – FST			100	
M	080	FST	Forecast Schedule	M	1		
Not Used	090	DTM	Date/Time/Period	O	>1		
Not Used	100	SDQ	Destination Quantity	O	>1		
			LOOP ID – JIT			24	
Not Used	110	JIT	Just-In-Time Schedule	O	1		
Not Used	120	REF	Reference Numbers	O	500		
			LOOP ID – SHP			260	
M	290	SDP	Ship/Delivery Pattern	M	1		
M	300	FST	Forecast Schedule	M	260		
M	320	ATH	Resource Authorization	M	20		
			LOOP ID - SHP			10	
M	140	SHP	Shipped/Received Information	M	1		
M	150	REF	Reference Numbers	M	12		
	160	TD1	Carrier Details (Quantity and Weight)	O	1		
	170	TD3	Carrier Details (Equipment)	O	1		
	180	TD5	Carrier Details (Routing Sequence/Transit/Time)	O	1		

### Summary:

	Pos No.	Seg. ID	Name	Req. Des.	Max. Use	Loop Repeat	Notes
M	010	CTT	Transactions Total	M	1		N1
M	020	SE	Transaction Set Trailer	M	1		

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## 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.

# ST

**Segment:** 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

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

## Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>Transaction Set Identifier</b>	
		CodeCode uniquely identifying a Transaction Set	
M	ST01	143	862 X12.37 Shipping Schedule
		<b>Transaction Set Control Number</b>	
		Identifying control number assigned by the originator for a transaction set.	
M	ST02	329	
			M ID 3/3
			M AN 4/9

# BSS

**Segment:** 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

**Syntax Notes:** At least one of BSS07 or BSS08 is required.

**Semantic Notes:**

- Comments:**
- 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.

## Data Element Summary

Ref.	Data				Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>			
		<b>Transaction Set Purpose Code</b>			
		Code identifying purpose of transaction set			
M	BSS01	353	05	Replace	M ID 2/2
		<b>Reference Number</b>			
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.			
M	BSS02	127			M AN 1/30
		Date			
		Date (YYMMDD)			
M	BSS03	373			M DT 6/6
		<b>Schedule Type Qualifier</b>			
		Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast			
		<b>DL Delivery Based</b>			
M	BSS04	675			M ID 2/2
		<b>SH Shipment Based</b>			
		Date			
		Date (YYMMDD)			
M	BSS05	373			M DT 6/6
		<b>Horizon Date</b>			
		Date			
		Date (YYMMDD)			
M	BSS06	373			M DT 6/6
		<b>Stop Date</b>			
		Release Number			
		Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction			
	BSS07	328			X AN 1/30

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		<b>Reference Number</b>	
X	BSS08	127	Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.
			X AN 1/30
X	BSS09	367	<b>Contract Number</b> Contract number
			O AN 1/30
X	BSS10	324	<b>Purchase Order Number</b> <b>Schedule Quantity</b> Qualifier Code identifying the type of quantities used when defining a schedule or forecast
			O AN 1/22
BSS11	676	A	Actual Discrete Quantities
			O ID 1/1

# DTM

**Segment:** Date/Time/Period

**Position:** 030

**Loop:**

**Level:** Heading

**Usage:** Optional

**Max Use:** 10

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

**Syntax Notes:** 1 At least one of DTM02 or DTM03 is required

**Semantic Notes:**

**Comments:**

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	DTM01	374	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 3/3
	DTM02	373	<b>Date</b> Date (YYMMDD)	X DT 6/6
	DTM03	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X TM 4/6
			<b>Time Code</b> Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow	
	DTM04	623	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
	DTM05	624	<b>Century</b> The first two characters in the designation of the year (CCYY)	O NO 2/2

# NTE

**Segment:** Note/Special Instruction

**Position:** 040

**Loop:**

**Level:** Heading

**Usage:** Floating

**Max Use:** 100

**Purpose:** To transmit information in a free-form format, if necessary, for comment or special instruction

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
		<b>Note Reference Code</b>		
		Code identifying the functional area or purpose for which the note applies		
X	NTE01	363	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 3/3
		<b>Free Form Message</b>		
M	NTE02	3	Free-form text	M AN 1/60

# N1

**Segment:** 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

- Syntax Notes:**
- 1 At least one of N102 or N103 is required.
  - 2 If either N103 or N104 is present, then the other is required.

**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.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
		<b>Entity Identifier Code</b>		
		Code identifying an organizational entity or a physical location.		
		SF Ship From		
		SI Shipping Schedule Issuer		
		ST Ship To		
M	N101	98 SU Supplier/Manufacturer		M ID 2/2
		<b>Name</b>		
	N102	96 Free-form name		X AN 1/35
		<b>Identification Code Qualifier</b>		
		Code designating the system/method of code structure used for Identification Code (67)		
		1 Dun and Bradstreet (Credit Reporting) (DUNS)		
N103	66	92 Assigned by Buyer or Buyer's Agent		X ID 1/2
		<b>Identification Code</b>		
N104	67	Code identifying a party.		X AN 2/17

# LIN

**Segment:** Item Identification

**Position:** 010

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify basic item identification data

- Syntax Notes:**
- 1 If LIN04 is present, then LIN05 is required.
  - 2 If LIN06 is present, then LIN07 is required.
  - 3 If LIN08 is present, then LIN09 is required.
  - 4 If LIN10 is present, then LIN11 is required.
  - 5 If LIN12 is present, then LIN13 is required.
  - 6 If LIN14 is present, then LIN15 is required.
  - 7 If LIN16 is present, then LIN17 is required.
  - 8 If LIN18 is present, then LIN19 is required.
  - 9 If LIN20 is present, then LIN21 is required.
  - 10 If LIN22 is present, then LIN23 is required.
  - 11 If LIN24 is present, then LIN25 is required.
  - 12 If LIN26 is present, then LIN27 is required.
  - 13 If LIN28 is present, then LIN29 is required.
  - 14 If LIN30 is present, then LIN31 is required.

**Semantic Notes:**

- Comments:**
- 1 See the Data Dictionary for a complete list of ID's.
  - 2 LIN01 is the line item identification
  - 3 LIN02 through LIN31 provide for fifteen (15) different product/service ID's for each item. For Example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

## Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>Assigned Identification</b>	
		Alphanumeric characters assigned for differentiation within a transaction	
X	LIN01	350 Set	O AN 1/11

			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
M	LIN02	235	BP Buyer's Part Number	M ID 2/2
			<b>Product/Service ID</b>	
M	LIN03	234	Identifying number for a product or service	M AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
	LIN04	235	PO Purchase Order Number	O ID 2/2
			<b>Product/Service ID</b>	
	LIN05	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN06	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN07	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN08	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN09	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN10	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN11	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN12	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN13	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN14	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN15	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN16	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2
			<b>Product/Service ID</b>	
X	LIN17	234	Identifying number for a product or service	X AN 1/30
			<b>Product/Service ID Qualifier</b>	
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
X	LIN18	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2

X	LIN19	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN20	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN21	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN22	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN23	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN24	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN25	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN26	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN27	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN28	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN29	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30
			<b>Product/Service ID Qualifier</b> Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
X	LIN30	235	Refer to 003020 Data Element Dictionary for acceptable code values.	O	ID 2/2
X	LIN31	234	<b>Product/Service ID</b> Identifying number for a product or service	X	AN 1/30

# UIT

**Segment:** Unit Detail

**Position:** 020

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify item unit data

**Syntax Notes:** 1 If UIT03 is present, then UIT02 is required.

**Semantic Notes:**

**Comments:**

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
		<b>Unit or Basis for Measurement Code</b>		
		Code identifying the basic unit of measurement.		
M	UIT01	355	Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 2/2
		<b>Unit Price</b>		
X	UIT02	212	Price per unit of product, service, commodity, etc.	X R 1/14
		<b>Basis of Unit Price Code</b>		
		Code identifying the type of unit price for an item		
X	UIT03	639	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2

# SDP

**Segment:** Ship/Delivery Pattern  
**Position:** 070  
**Loop:** LIN Mandatory  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify specific ship/delivery requirements

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 The intent of this segment is to define the routine ship or delivery patterns, as required, when order quantities are in "buckets", such as weekly, monthly. Ship/delivery patterns eliminate the need to transmit discrete quantities and dates for each required shipment or delivery. It is assumed that a "bucketed" quantity is to be divided equally by the ship/delivery pattern. For example, a weekly quantity of 100 with a delivery pattern of Monday and Wednesday would result in 50 to be delivered on Monday and 50 to be delivered on Wednesday.

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
		<b>Ship/Delivery or Calendar Pattern Code</b>		
		Code which specifies the days for routine shipments or deliveries.		
M	SDP01	678	Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 1/1
		<b>Ship/Delivery Pattern Time Code</b>		
		Code which specifies the time for routine shipments or deliveries		
M	SDP02	679	F As Directed	M ID 1/1
		<b>Ship/Delivery or Calendar Pattern</b>		
		Code which specifies the days for routine shipments or deliveries.		
X	SDP03	678	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/2
		<b>Ship/Delivery Pattern Time Code</b>		
		Code which specifies the time for routine shipments or deliveries		
X	SDP04	679	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/1
		<b>Ship/Delivery or Calendar Pattern Code</b>		
		Code which specifies the days for routine shipments or deliveries.		
X	SDP05	678	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/2
		<b>Ship/Delivery Pattern Time Code</b>		
		Code which specifies the time for routine shipments or deliveries		
X	SDP06	679	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/1

		<b>Ship/Delivery or Calendar Pattern Code</b>	
		Code which specifies the days for routine shipments or deliveries.	
X	SDP07	678	Refer to 003020 Data Element Dictionary for acceptable code values. <span style="float: right;">O ID 1/2</span>
		<b>Ship/Delivery Pattern Time Code</b>	
		Code which specifies the time for routine shipments or deliveries	
X	SDP08	679	Refer to 003020 Data Element Dictionary for acceptable code values. <span style="float: right;">O ID 1/1</span>

# FST

**Segment:** Forecast Schedule

**Position:** 080

**Loop:** FST Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify the forecasted dates and quantities

- Syntax Notes:**
- 1 If either FST06 or FST07 is present, then the other is required.
  - 2 If either FST08 or FST09 is present, then the other is required.

**Semantic Notes:**

- 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 If FST03 - "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.
  - 3 FST06 - To qualify 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 "AM" or "PM".

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	FST01	380	Quantity Numeric value of quantity <b>Forecast Qualifier</b> Code specifying the sender's confidence level of the forecast data. A Immediate C Firm	M R 1/15
M	FST02	680	<b>Forecast Timing Qualifier</b> Code specifying interval grouping of the forecast D Discrete	M ID 1/1
M	FST03	681	<b>Date</b> Date (YYMMDD)	M ID 1/1
M	FST04	373	<b>Date</b> Date (YYMMDD)	M DT 6/6
	FST05	373	<b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time	O DT 6/6
X	FST06	374	Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 3/3

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X	FST07	337	<b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	X	TM 4/6
X	FST08	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. Refer to 003020 Data Element Dictionary for acceptable code values.	X	ID 2/2
X	FST09	127	<b>Reference Number</b> Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.	X	AN 1/30

# SHP

**Segment:** Shipped/Received Information

**Position:** 140

**Loop:** SHP Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 1

**Purpose:** To specify shipment and/or receipt information

- Syntax Notes:**
- 1 If SHP01 is present, then SHP02 is required.
  - 2 If SHP04 is present, then SHP03 is required.

**Semantic Notes:**

- 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 = "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.
  - 3 SHP04 - The date shipped, delivered, received, or the cumulative quantity start date (as qualified by SHP03).
  - 4 SHP06 - The cumulative quantity end date.

## Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
		<b>Quantity Qualifier</b>	
		Code specifying the type of quantity	
		01 Discrete Quantity	
SHP01	673	02 Cumulative Quantity	O ID 2/2
		<b>Quantity</b>	
SHP02	380	Numeric value of quantity	X R 1/15
		Date/Time Qualifier	
		Code specifying type of date or time, or both date and time	
		50 Received	
SHP03	374	51 Cumulative Quantity Start	X ID 3/3
		<b>Date</b>	
		Date (YYMMDD)	
		If SHP01="01", this is the last receipt date.	
SHP04	373	If SHP01="02", this will be the same as the current date.	O DT 6/6
		<b>Time</b>	
		Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	
SHP05	337		O TM 4/6

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		<b>Date</b>	
		Date (YYMMDD)	
	<b>SHP06</b>	<b>373</b>	If SHP02="02", this is the last receipt date.
			<b>O DT 6/6</b>
		<b>Time</b>	
		Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through	
<b>X</b>	<b>SHP07</b>	<b>337</b>	235959)
			<b>O TM 4/6</b>

# RFF

**Segment:** Reference Numbers

**Position:** 150

**Loop:** SHP Mandatory

**Level:** Detail

**Usage:** Mandatory

**Max Use:** 12

**Purpose:** To specify identifying numbers.

**Syntax Notes:** 1 At least one of REF02 or REF03 is required.

**Semantic Notes:**

**Comments:**

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
		<b>Reference Number Qualifier</b>		
		Code qualifying the Reference Number.		
		SI Shipper's Identifying Number for Shipment (SID)		
M	REF01	128	A unique number (to the shipper) assigned by the shipper to identify the shipment	M ID 2/2
		<b>Reference Number</b>		
		Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
	REF02	127	Last receipt shipper number.	X AN 1/30
		<b>Description</b>		
X	REF03	352	A free-form description to clarify the related data elements and their content	X AN 1/80

# TD1

**Segment:** Carrier Details (Quantity and Weight)

**Position:** 160

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the transportation details relative to commodity, weight, and quantity.

- Syntax Notes:**
- 1 If TD101 is present, then TD102 is required
  - 2 If TD103 is present, then TD104 is required.
  - 3 If TD106 is present, then TD107 is required.

**Semantic Notes:**

**Comments:**

## Data Element Summary

Ref.	Data		Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>	
		<b>Packaging Code</b>	
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material	
TD101	103	Refer to 003020 Data Element Dictionary for acceptable code values.	O AN 5/5
		<b>Lading Quantity</b>	
TD102	80	Number of units (pieces) of the lading commodity	X NO 1/7
		<b>Commodity Code Qualifier</b>	
		Code identifying the commodity coding system used for Commodity Code	
TD103	23	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/1
		<b>Commodity Code</b>	
TD104	22	Code describing a commodity or group of commodities	X AN 1/16
		<b>Lading Description</b>	
TD105	79	Description of an item as required for rating and billing purposes	O AN 1/50
		<b>Weight Qualifier</b>	
		Code defining the type of weight	
TD106	187	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/2
		<b>Weight</b>	
TD107	81	Numeric value of weight	X R 1/8
		<b>Unit or Basis for Measurement Code</b>	
		Code identifying the basic unit of measurement.	
TD108	355	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 2/2

# TD3

**Segment:** Carrier Details (Equipment)

**Position:** 170

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify transportation details relating to the equipment used by the carrier

- Syntax Notes:**
- 1 If TD302 is present, then TD303 is required.
  - 2 If TD304 is present, then both TD305 and TD306 are required.

**Semantic Notes:**

**Comments:**

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
		<b>Equipment Description Code</b>		
		Code identifying type of equipment used for shipment		
M	TD301	40	Refer to 003020 Data Element Dictionary for acceptable code values.	M ID 2/2
		<b>Equipment Initial</b>		
	TD302	206	Prefix or alphabetic part of an equipment unit's identifying number	O AN 1/4
		<b>Equipment Number</b>		
		Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)		
	TD303	207		X AN 1/10
		<b>Weight Qualifier</b>		
		Code defining the type of weight		
	TD304	187	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/2
		<b>Weight</b>		
	TD305	81	Numeric value of weight	X R 1/8
		<b>Unit or Basis for Measurement Code</b>		
		Code identifying the basic unit of measurement.		
	TD306	335	Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 2/2
		<b>Ownership Code</b>		
		Code indicating the relationship of equipment to carrier.		
	TD307	102	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/1

# TD5

**Segment:** Carrier Details (Routing Sequence/Transit Time)

**Position:** 180

**Loop:** LIN Mandatory

**Level:** Detail

**Usage:** Optional

**Max Use:** 1

**Purpose:** To specify the carrier and sequence of routing and provide transit time information

- Syntax Notes:**
- 1 At least one of TD502 TD504 or TD505 is required.
  - 2 If TD502 is present, then TD503 is required.
  - 3 If TD507 is present, then TD508 is required.
  - 4 If TD510 is present, then TD511 is required.

**Semantic Notes:**

- Comments:**
- 1 When specifying a routing sequence to be used for the shipment movement in lieu of specifying each carrier within the movement, use TD502 to identify the party responsible for defining the routing sequence, and use TD503 to identify the actual routing sequence, specified by the party identified in TD502.

## Data Element Summary

Ref.	Data		
<u>Des.</u>	<u>Element</u>	<u>Name</u>	<u>Attributes</u>
		<b>Routing Sequence Code</b>	
		Code describing the relationship of a carrier to a specific shipment movement	
TD501	133	Refer to 003020 Data Element Dictionary for acceptable code values.	O ID 1/2
		<b>Identification Code Qualifier</b>	
		Code designating the system/method of code structure used for Identification Code	
		67)	
TD502	66	Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 1/2
		<b>Identification Code</b>	
TD503	67	Code identifying a party.	X AN 2/17
		<b>Transportation Method/Type Code</b>	
		Code specifying the method or type of transportation for the shipment	
TD504	91	Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 1/2
		<b>Routing</b>	
		Free-form description of the routing or requested routing for shipment, or the	
		originating carrier's identity	
TD505	387		X AN 1/35
		<b>Shipment/Order Status Code</b>	
		Code indicating the status of an order or shipment or the disposition of	
		any difference between the quantity ordered and the quantity shipped for a line item	
		or transactionRefer to 003020 Data Element Dictionary for acceptable code values.	
TD506	368		O ID 2/2

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		<b>Location Qualifier</b>	
		Code identifying type of location	
<b>TD507</b>	<b>309</b>	Refer to 003020 Data Element Dictionary for acceptable code values.	<b>O ID 1/2</b>
		<b>Location Identifier</b>	
<b>TD508</b>	<b>310</b>	Code which identifies a specific location	<b>X AN 1/25</b>
		<b>Transit Direction Code</b>	
		The point of origin and point of direction	
<b>TD509</b>	<b>731</b>	Refer to 003020 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
		<b>Transit Time Direction Qualifier</b>	
		Code specifying the value of time used to measure the transit time.	
<b>TD510</b>	<b>732</b>	Refer to 003020 Data Element Dictionary for acceptable code values.	<b>O ID 2/2</b>
		<b>Transit Time</b>	
<b>TD511</b>	<b>733</b>	The numeric amount of transit time	<b>X R 1/4</b>

# CTT

**Segment:** 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

**Syntax Notes:** 1 If CTT03 is present, then CTT04 is required.

2 If CTT05 is present, then CTT06 is required.

**Semantic Notes:**

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

## Data Element Summary

Ref.	Data			Attributes
<u>Des.</u>	<u>Element</u>	<u>Name</u>		
M	CTT01	347	<b>Number of Line Items</b> Total number of line items in the transaction set  <b>Hash Total</b> 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. 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.	M NO 1/6
	CTT02	347	<b>Weight</b> Numeric value of weight	O R 1/10
	CTT03	81	<b>Unit or Basis for Measurement</b> Code identifying the basic unit of measurement.	O R 1/8
	CTT04	355	Refer to 003020 Data Element Dictionary for acceptable code values.	X ID 2/2
	CTT05	183	<b>Volume</b> Value of volumetric measure	O R 1/8
	CTT06	355	<b>Unit or Basis for Measurement</b> Code identifying the basic unit of measurement.	X ID 2/2
	CTT07	352	<b>Description</b> A free-form description to clarify the related data elements and their content	O AN 1/80

# SE

**Segment:** 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).

**Syntax Notes:**

**Semantic Notes:**

**Comments:** 1 SE is the last segment of each transaction set.

## Data Element Summary

Ref.	Data			
<u>Des.</u>	<u>Element</u>	<u>Name</u>		<u>Attributes</u>
		<b>Number of Included Segments</b>		
		Total number of segments included in a transaction set including ST and SE segments		
M	SE01	96		M NO 1/6
		<b>Transaction Set Control Number</b>		
		Identifying control number assigned by the originator for a transaction set.		
M	SE02	329		M AN 4/9

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Example:

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## Document Revision

Version	Date	Description	Author
1.0	2009-09-22	Creation	Hans-Ulrich Berger
1.5	2016-Aug-10	Modified JCI or Johnson Controls references to be Adient. Removed JCI logo and added Adient logo.	Hemant Bhardwaj