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 and 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	060	N2	Additional Name Information	O	2		
Not Used	070	N3	Address 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 and 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			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 and Comments
M	010	CTT	Transaction Totals	M	1		n1
M	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
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. Des.	Data Element	Name	Attributes
M	ST01	143	**Transaction Set Identifier Code**	M ID 3/3
			Code uniquely identifying a Transaction Set	
			862 X12.37 Shipping Schedule	
M	ST02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number assigned by the originator for a transaction set.	

	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

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

Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction

| X | BSS08 | 127 | **Reference Number** | X | **AN 1/30** |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

| X | BSS09 | 367 | **Contract Number** | O | **AN 1/30** |

Contract number

| X | BSS10 | 324 | **Purchase Order Number** | O | **AN 1/22** |

Identifying number for Purchase Order assigned by the orderer/purchaser

| | BSS11 | 676 | **Schedule Quantity Qualifier** | O | **ID 1/1** |

Code identifying the type of quantities used when defining a schedule or forecast

A   Actual Discrete Quantities

Segment: # DTM Date/Time/Period

Position:	030
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To specify pertinent dates and times
Syntax Notes:	1 At least one of DTM02 or DTM03 is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
M	DTM01	374	Date/Time Qualifier	M	ID 3/3
			Code specifying type of date or time, or both date and time		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
	DTM02	373	Date	X	DT 6/6
			Date (YYMMDD)		
	DTM03	337	Time	X	TM 4/6
			Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)		
	DTM04	623	Time Code	O	ID 2/2
			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		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
	DTM05	624	Century	O	N0 2/2
			The first two characters in the designation of the year (CCYY)		

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

		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
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. Des.	Data Element	Name		Attributes
M	N101	98	**Entity Identifier Code**	M	ID 2/2
			Code identifying an organizational entity or a physical location.		
			SF	Ship From	
			SI	Shipping Schedule Issuer	
			ST	Ship To	
			SU	Supplier/Manufacturer	
	N102	93	**Name**	X	AN 1/35
			Free-form name		
	N103	66	**Identification Code Qualifier**	X	ID 1/2
			Code designating the system/method of code structure used for Identification Code (67)		
			1	Dun and Bradstreet (Credit Reporting) (DUNS)	
			92	Assigned by Buyer or Buyer's Agent	
	N104	67	**Identification Code**	X	AN 2/17
			Code identifying a party.		

Segment: # LIN 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. Des.	Data Element	Name		Attributes
X	LIN01	350	**Assigned Identification**	O	AN 1/11
			Alphanumeric characters assigned for differentiation within a transaction set		
M	LIN02	235	**Product/Service ID Qualifier**	M	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			BP Buyer's Part Number		
M	LIN03	234	**Product/Service ID**	M	AN 1/30
			Identifying number for a product or service		
	LIN04	235	**Product/Service ID Qualifier**	O	ID 2/2
			Code identifying the type/source of the descriptive number used in Product/Service ID (234)		
			PO Purchase Order Number		

| | LIN05 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN06 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN07 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN08 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN09 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN10 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN11 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN12 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN13 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN14 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN15 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN16 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | LIN17 | 234 | **Product/Service ID** | X | AN 1/30 |

Identifying number for a product or service

| X | LIN18 | 235 | **Product/Service ID Qualifier** | O | ID 2/2 |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN19	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN20	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN21	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN22	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN23	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN24	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN25	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN26	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN27	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN28	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN29	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

X	LIN30	235	**Product/Service ID Qualifier**	O	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003020 Data Element Dictionary for acceptable code values.

X	LIN31	234	**Product/Service ID**	X	**AN 1/30**

Identifying number for a product or service

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

Segment:		**SDP** Ship/Delivery Pattern			

Segment: **SDP** 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. Des.	Data Element	Name	Attributes	
M	SDP01	678	**Ship/Delivery or Calendar Pattern Code**	M	ID 1/2
			Code which specifies the days for routine shipments or deliveries.		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
M	SDP02	679	**Ship/Delivery Pattern Time Code**	M	ID 1/1
			Code which specifies the time for routine shipments or deliveries		
		F	As Directed		
X	SDP03	678	**Ship/Delivery or Calendar Pattern Code**	O	ID 1/2
			Code which specifies the days for routine shipments or deliveries.		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
X	SDP04	679	**Ship/Delivery Pattern Time Code**	O	ID 1/1
			Code which specifies the time for routine shipments or deliveries		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
X	SDP05	678	**Ship/Delivery or Calendar Pattern Code**	O	ID 1/2
			Code which specifies the days for routine shipments or deliveries.		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
X	SDP06	679	**Ship/Delivery Pattern Time Code**	O	ID 1/1
			Code which specifies the time for routine shipments or deliveries		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
X	SDP07	678	**Ship/Delivery or Calendar Pattern Code**	O	ID 1/2
			Code which specifies the days for routine shipments or deliveries.		
			Refer to 003020 Data Element Dictionary for acceptable code values.		
X	SDP08	679	**Ship/Delivery Pattern Time Code**	O	ID 1/1

Code which specifies the time for routine shipments or deliveries
Refer to 003020 Data Element Dictionary for acceptable code values.

	Segment:	**FST** 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. Des.	Data Element	Name	Attributes
M	**FST01**	380	**Quantity**	**M R 1/15**
			Numeric value of quantity	
M	**FST02**	680	**Forecast Qualifier**	**M ID 1/1**
			Code specifying the sender's confidence level of the forecast data.	
			A Immediate	
			C Firm	
M	**FST03**	681	**Forecast Timing Qualifier**	**M ID 1/1**
			Code specifying interval grouping of the forecast	
			D Discrete	
M	**FST04**	373	**Date**	**M DT 6/6**
			Date (YYMMDD)	
	FST05	373	**Date**	**O DT 6/6**
			Date (YYMMDD)	
X	**FST06**	374	**Date/Time Qualifier**	**X ID 3/3**
			Code specifying type of date or time, or both date and time	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
X	**FST07**	337	**Time**	**X TM 4/6**
			Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	

| X | FST08 | 128 | **Reference Number Qualifier** | X | **ID 2/2** |

Code qualifying the Reference Number.

Refer to 003020 Data Element Dictionary for acceptable code values.

| X | FST09 | 127 | **Reference Number** | X | **AN 1/30** |

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

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

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. Des.	Data Element	Name	Attributes	
SHP01	673	Quantity Qualifier	O	ID 2/2
		Code specifying the type of quantity		
		01 Discrete Quantity		
		02 Cumulative Quantity		
SHP02	380	Quantity	X	R 1/15
		Numeric value of quantity		
SHP03	374	Date/Time Qualifier	X	ID 3/3
		Code specifying type of date or time, or both date and time		
		050 Received		
		051 Cumulative Quantity Start		
SHP04	373	Date	O	DT 6/6
		Date (YYMMDD)		
		If SHP01="01", this is the last receipt date.		
		If SHP01="02", this will be the same as the current date.		
SHP05	337	Time	O	TM 4/6
		Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)		
SHP06	373	Date	O	DT 6/6
		Date (YYMMDD)		
		If SHP02="02", this is the last reeipt date.		

X   **SHP07**   **337**   **Time**   **O   TM 4/6**

Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)

			Segment:	**REF** Reference Numbers

Segment: **REF** 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. Des.	Data Element	Name	Attributes
M	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

     SI   Shipper's Identifying Number for Shipment (SID)

           A unique number (to the shipper) assigned by the shipper to identify the shipment

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Number**	X AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

Last receipt shipper number.

	Ref. Des.	Data Element	Name	Attributes
X	REF03	352	**Description**	X AN 1/80

A free-form description to clarify the related data elements and their content

Segment: # TD1 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. Des.	Data Element	Name	Attributes	
TD101	**103**	**Packaging Code**	**O**	**AN 5/5**
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD102	**80**	**Lading Quantity**	**X**	**N0 1/7**
		Number of units (pieces) of the lading commodity		
TD103	**23**	**Commodity Code Qualifier**	**O**	**ID 1/1**
		Code identifying the commodity coding system used for Commodity Code		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD104	**22**	**Commodity Code**	**X**	**AN 1/16**
		Code describing a commodity or group of commodities		
TD105	**79**	**Lading Description**	**O**	**AN 1/50**
		Description of an item as required for rating and billing purposes		
TD106	**187**	**Weight Qualifier**	**O**	**ID 1/2**
		Code defining the type of weight		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD107	**81**	**Weight**	**X**	**R 1/8**
		Numeric value of weight		
TD108	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**
		Code identifying the basic unit of measurement.		
		Refer to 003020 Data Element Dictionary for acceptable code values.		

| | **Ref. Des.** | **Data Element** | **Name** | **Attributes** |

Segment: **TD3** 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. Des.	Data Element	Name	Attributes
M	TD301	40	**Equipment Description Code**	M ID 2/2
			Code identifying type of equipment used for shipment	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
	TD302	206	**Equipment Initial**	O AN 1/4
			Prefix or alphabetic part of an equipment unit's identifying number	
	TD303	207	**Equipment Number**	X AN 1/10
			Sequencing or serial part of an equipment unit's identifying number (pure numeric form for equipment number is preferred)	
	TD304	187	**Weight Qualifier**	O ID 1/2
			Code defining the type of weight	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
	TD305	81	**Weight**	X R 1/8
			Numeric value of weight	
	TD306	355	**Unit or Basis for Measurement Code**	X ID 2/2
			Code identifying the basic unit of measurement.	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
	TD307	102	**Ownership Code**	O ID 1/1
			Code indicating the relationship of equipment to carrier.	
			Refer to 003020 Data Element Dictionary for acceptable code values.	

Segment:	**TD5** 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. Des.	Data Element	Name	Attributes	
TD501	133	**Routing Sequence Code**	O	ID 1/2
		Code describing the relationship of a carrier to a specific shipment movement		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD502	66	**Identification Code Qualifier**	X	ID 1/2
		Code designating the system/method of code structure used for Identification Code (67)		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD503	67	**Identification Code**	X	AN 2/17
		Code identifying a party.		
TD504	91	**Transportation Method/Type Code**	X	ID 1/2
		Code specifying the method or type of transportation for the shipment		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD505	387	**Routing**	X	AN 1/35
		Free-form description of the routing or requested routing for shipment, or the originating carrier's identity		
TD506	368	**Shipment/Order Status Code**	O	ID 2/2
		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 transaction		
		Refer to 003020 Data Element Dictionary for acceptable code values.		
TD507	309	**Location Qualifier**	O	ID 1/2
		Code identifying type of location		

Refer to 003020 Data Element Dictionary for acceptable code values.

| **TD508** | **310** | **Location Identifier** | | **X** | **AN 1/25** |

Code which identifies a specific location

| **TD509** | **731** | **Transit Direction Code** | | **O** | **ID 2/2** |

The point of origin and point of direction

Refer to 003020 Data Element Dictionary for acceptable code values.

| **TD510** | **732** | **Transit Time Direction Qualifier** | | **O** | **ID 2/2** |

Code specifying the value of time used to measure the transit time

Refer to 003020 Data Element Dictionary for acceptable code values.

| **TD511** | **733** | **Transit Time** | | **X** | **R 1/4** |

The numeric amount of transit time

	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
	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. Des.	Data Element	Name	Attributes
M	CTT01	354	**Number of Line Items**	M N0 1/6
			Total number of line items in the transaction set	
	CTT02	347	**Hash Total**	O R 1/10
			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.	
	CTT03	81	**Weight**	O R 1/8
			Numeric value of weight	
	CTT04	355	**Unit or Basis for Measurement Code**	X ID 2/2
			Code identifying the basic unit of measurement.	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
	CTT05	183	**Volume**	O R 1/8
			Value of volumetric measure	
	CTT06	355	**Unit or Basis for Measurement Code**	X ID 2/2
			Code identifying the basic unit of measurement.	
			Refer to 003020 Data Element Dictionary for acceptable code values.	
	CTT07	352	**Description**	O AN 1/80
			A free-form description to clarify the related data elements and their content	

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).
Syntax Notes:	
Semantic Notes:	
Comments:	1 SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
M	SE01	96	**Number of Included Segments**	M N0 1/6
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	**Transaction Set Control Number**	M AN 4/9
			Identifying control number assigned by the originator for a transaction set.	