

# 866 Production Sequence

Functional Group ID=**SQ**

## Introduction:

This standard provides the format and establishes the data contents of the Production Sequence Transaction Set within the context of an Electronic Data Interchange (EDI) environment. This transaction set provides for the receiver of goods to request the order in which shipments of goods arrive, or to specify the order in which the goods are to be unloaded from the conveyance method, or both. This specifies the sequence in which the goods are to enter the materials handling process, or are to be consumed in the production process, or both. This transaction set shall not be used to authorize labor, materials, or other resources. This transaction set shall not be used to revise any product characteristic specification.

## 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>
M	010	ST	Transaction Set Header	M	1		
M	020	BSS	Beginning Segment for Shipping Schedule/Production Sequence	M	1		
LOOP ID - N1						>1	
	040	N1	Name	O	1		
	080	REF	Reference Numbers	O	12		
LOOP ID - DTM						100	
M	110	DTM	Date/Time/Period	M	1		
	130	QTY	Quantity	O	1		
	140	REF	Reference Numbers	O	>1		
LOOP ID - LIN						>1	
	150	LIN	Item Identification	O	1		
	170	QTY	Quantity	O	1		
M	180	CTT	Transaction Totals	M	1		nl
M	190	SE	Transaction Set Trailer	M	1		

## Transaction Set Notes

1. The number of line items (CTT01) is the accumulation of the number of DTM segments. If used, hash total (CTT02) is the sum of the value of quantity (QTY02) for each QTY 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**

<b>Ref.</b>	<b>Des.</b>	<b>Data Element</b>	<b>Name</b>	<b>Attributes</b>
<b>M</b>	<b>ST01</b>	<b>143</b>	<b>Transaction Set Identifier Code</b> Code uniquely identifying a Transaction Set Refer to 003010 Data Element Dictionary for acceptable code values.	<b>M ID 3/3</b>
<b>M</b>	<b>ST02</b>	<b>329</b>	<b>Transaction Set Control Number</b> Identifying control number assigned by the originator for a transaction set.	<b>M AN 4/9</b>

**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

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	BSS01	353 <b>Transaction Set Purpose Code</b> Code identifying purpose of transaction set 05 Replace	M ID 2/2
M	BSS02	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. Date YYMMDD	M AN 1/30
M	BSS03	373 <b>Date</b> Date (YYMMDD)	M DT 6/6
M	BSS04	675 <b>Schedule Type Qualifier</b> Code identifying the type of dates used when defining a shipping or delivery time in a schedule or forecast BB Customer Production (Consumption) Based	M ID 2/2
M	BSS05	373 <b>Date</b> Date (YYMMDD)	M DT 6/6
M	BSS06	373 <b>Date</b> Date (YYMMDD)	M DT 6/6
	BSS07	328 <b>Release Number</b> Number identifying a release against a Purchase Order previously placed by the parties involved in the transaction	C AN 1/30

**Segment:** **N1** Name

**Position:** 040

**Loop:** N1 Optional

**Level:** Heading

**Usage:** Optional

**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**

<b>Ref.</b>	<b>Data</b>	<b>Attributes</b>
<b><u>Des.</u></b>	<b><u>Element</u> <u>Name</u></b>	<b><u>Attributes</u></b>
<b>M</b>	<b>N101</b> <b>98</b> <b>Entity Identifier Code</b>	<b>M ID 2/2</b>
	Code identifying an organizational entity or a physical location.	
	SF              Ship From	
	ST              Ship To	
	<b>N103</b> <b>66</b> <b>Identification Code Qualifier</b>	<b>C ID 1/2</b>
	Code designating the system/method of code structure used for Identification Code (67)	
	Refer to 003010 Data Element Dictionary for acceptable code values.	
	<b>N104</b> <b>67</b> <b>Identification Code</b>	<b>C ID 2/17</b>
	Code identifying a party.	

**Segment:** **REF** Reference Numbers  
**Position:** 080  
**Loop:** N1 Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 12  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**  
**Notes:** (LF)

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	Reference Number Qualifier	M ID 2/2
			Code qualifying the Reference Number. Refer to 003010 Data Element Dictionary for acceptable code values.	
	REF02	127	Reference Number	C AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier. (IPF)	
	REF03	352	Description	C AN 1/80
			A free-form description to clarify the related data elements and their content	

**Segment:** **DTM** Date/Time/Period  
**Position:** 110  
**Loop:** DTM Mandatory  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**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**

	<u>Ref.</u>	<u>Data</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element Name</u>	
M	DTM01	374 <b>Date/Time Qualifier</b> Code specifying type of date or time, or both date and time 009 Process	<b>M ID 3/3</b>
	DTM02	373 <b>Date</b> Date (YYMMDD)	<b>C DT 6/6</b>
	DTM03	337 <b>Time</b> Time expressed in 24-hour clock time (HHMMSS) (Time range: 000000 through 235959)	<b>C TM 4/4</b>

**Segment:** **QTY** Quantity  
**Position:** 130  
**Loop:** DTM Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	QTY01	673	<b>Quantity Qualifier</b> Code specifying the type of quantity 01 Discrete Quantity	M ID 2/2
M	QTY02	380	<b>Quantity</b> Numeric value of quantity	M R 1/10
	QTY03	355	<b>Unit or Basis for Measurement Code</b> Code identifying the basic unit of measurement. Refer to 003010 Data Element Dictionary for acceptable code values.	O ID 2/2

**Segment:** **REF** Reference Numbers  
**Position:** 140  
**Loop:** DTM Mandatory  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** >1  
**Purpose:** To specify identifying numbers.  
**Syntax Notes:** 1 At least one of REF02 or REF03 is required.  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>	<u>Name</u>	<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>		
M	REF01	128	<b>Reference Number Qualifier</b> Code qualifying the Reference Number. LF Assembly Line Feed Location	M ID 2/2
	REF02	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. (IPF)	C AN 1/30



**Segment:** **LIN** Item Identification

**Position:** 150

**Loop:** LIN Optional

**Level:** Heading

**Usage:** Optional

**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>
LIN01	350	<b>Assigned Identification</b>	<b>O AN 1/6</b>
		Alphanumeric characters assigned for differentiation within a transaction set	
<b>M</b>	LIN02	<b>Product/Service ID Qualifier</b>	<b>M ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		JS Job Sequence Number	
<b>M</b>	LIN03	<b>Product/Service ID</b>	<b>M AN 1/30</b>
		Identifying number for a product or service	
	LIN04	<b>Product/Service ID Qualifier</b>	<b>O ID 2/2</b>
		Code identifying the type/source of the descriptive number used in Product/Service ID (234)	
		BP Buyer's Part Number	

**LIN05**

**234**

**Product/Service ID**

**C AN 1/30**

Identifying number for a product or service

**Segment:** **QTY** Quantity  
**Position:** 170  
**Loop:** LIN Optional  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify quantity information  
**Syntax Notes:**  
**Semantic Notes:**  
**Comments:**

**Data Element Summary**

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	QTY01	673	Quantity Qualifier	M ID 2/2
			Code specifying the type of quantity	
			01 Discrete Quantity	
M	QTY02	380	Quantity	M R 1/10
			Numeric value of quantity	

**Segment:** **CTT** Transaction Totals

**Position:** 180

**Loop:**

**Level:** Heading

**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

	<u>Ref.</u>	<u>Data</u>		<u>Attributes</u>
	<u>Des.</u>	<u>Element</u>	<u>Name</u>	
M	CTT01	354	Number of Line Items	M N0 1/6
			Total number of line items in the transaction set	

**Segment:** **SE** Transaction Set Trailer  
**Position:** 190  
**Loop:**  
**Level:** Heading  
**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		Attributes
		<u>Des.</u>	<u>Element</u> <u>Name</u>	
M	SE01	96	<b>Number of Included Segments</b>	<b>M N0 1/6</b>
			Total number of segments included in a transaction set including ST and SE segments	
M	SE02	329	<b>Transaction Set Control Number</b>	<b>M AN 4/9</b>
			Identifying control number assigned by the originator for a transaction set.	