

# **BeerBoard**

# **850 Purchase Order**

**X12/V4010/850 : Purchase Order**

**Version: 1.9**

# 850 Purchase Order

## Functional Group= PO

**Purpose:** This X12 Transaction Set contains the format and establishes the data contents of the Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. The transaction set can be used to provide for customary and established business and industry practice relative to the placement of purchase orders for goods and services. This transaction set should not be used to convey purchase order changes or purchase order acknowledgment information.

**Note:** Standard Interchange and Group Segments *required*.

### Heading:

<u><b>Id</b></u>	<u><b>Req</b></u>	<u><b>Segment Name</b></u>	<u><b>Max Use</b></u>	<u><b>Max Loop</b></u>	<u><b>Loop ID</b></u>	<u><b>Usage</b></u>
ST	Y	Transaction Set Header	1			Must Use
BEG	Y	Beginning Segment for Purchase Order	1			Must Use
DTM	N	Date/Time Reference	2			Used
TD5	N	Carrier Details (RoutingSequence/Transit Time)	1			Used

#### LOOP ID - N9

N9	N	Extended Reference Information	1			Used
MSG	N	Message	>1			Used

#### LOOP ID - N1

N1	Y	Party Identification	2			Must Use
N3	Y	Party Location	1			Used
N4	Y	Location Identifier	1			Used
REF	Y	Reference Information	1			Used

### Detail:

#### LOOP ID - PO1

PO1	Y	Baseline Item Data	1			Must Use
-----	---	--------------------	---	--	--	----------

#### LOOP ID - PID

PID	Y	Product/Item Description	1			Must Use
-----	---	--------------------------	---	--	--	----------

### Summary:

#### LOOP ID - CTT

CTT	N	Transaction Totals	1			Used
SE	Y	Transaction Set Trailer	1			Must Use

### Data type Codes

N - Numeric, AN - Alphanumeric, (x) - X Number of Decimals, 'x' - use X in this field, Date(yyyyMMdd), ID - Unique Identifier

# ST Transaction Set Header

**Segment:** ST  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of an invoice transaction set and transmit identifying numbers and dates

Segment	Position	Field Name	Description	Length	Data Type	Req?
ST	1	<b>Transaction Set Identifier Code</b>	Code identifying the type of transaction  Code Name 850 Purchase Order	3	N	Y
ST	2	<b>Transaction Control Number</b>	Identifying control number that must be unique within the transaction set functional group assigned by the originator for a transaction set	9	AN	Y

**BeerBoard Segment Example:**

ST\*850\*96730001~

**Segment:** **BEG** **Beginning Segment for Purchase Order**  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

Segment	Position	Field Name	Description	Length	Data Type	Req?
BEG	1	<b>Transaction Set Purpose Code</b>	Code identifying purpose of transaction set  <b>Code Name</b> 00 Original	2/2	ID	Y
BEG	2	<b>Purchase Order Type Code</b>	Code specifying the type of Purchase Order  <b>Code Name</b> SA Stand-Alone Order	2/2	ID	Y
BEG	3	<b>Purchase Order Number</b>	Identifying number for Purchase Order assigned by the orderer/purchaser	1/22	AN	Y
BEG	5	<b>Purchase Order Date</b>	Identifying date for Purchase Order assigned by the orderer/purchaser	8/8	Date(yyyyMM Y dd)	Y

**BeerBoard Segment Example:**

**BEG\*00\*SA\*BB12345\*\*20190411~**

**Segment:** **DTM** **Date/Time Reference**  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 2  
**Purpose:** To specify pertinent dates and times

Segment	Position	Field Name	Description	Length	Data Type	Req?
DTM	1	<b>Date/Time Qualifier</b>	Code specifying type of date or time, or both date and time	3/3	N	Y
			<b>Code</b> <b>Name</b>			
			<b>002</b> Arrival Date			
			<b>175</b> Cancel Date			
			<b>074</b> Ship Date			
DTM	2	<b>Date</b>	Date expressed as CCYYMMDD where CC represents the first two digits of the calendar year	8/8	Date(yyyyMM Ydd)	

**BeerBoard Segment Example:**

**DTM\*074\*20190214~**

**Segment:** **TD5 Carrier Details (RoutingSequence/Transit Time)**  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify exceptions to normal routing

Segment	Position	Field Name	Description	Length	Data Type	Req?
TD5	2	<b>Identification Code Qualifier</b>	Code designating the system/ method of code structure used for identification  <b>Code Name</b>  2 Standard Carrier Alpha Code\  Note: This element is not used  <i>Note: This element is not used when TD504 = T (Best Way [Shipper Option])</i>	1/2	ID	N
TD5	3	<b>Identification Code</b>	Code identifying a party or other code  <i>Note: This element is not used when TD504 = T (Best Way [Shipper Option])</i>	2/80	AN	N
TD5	4	<b>Transportation Method/Type Code</b>	Code specifying the method or type of transportation for the shipment  <b>Code</b>  T Best Way (Shippers Option)	1/2	ID	N
TD5	5	<b>Routing</b>	Free-form description of the routing or requested routing for the shipment	1/35	AN	N

Note: This segment will appear only if there are exceptions to normal routing for the requested shipment

Note: The presence of this segment indicates that the retailer elected to pick up the order at the warehouse / distribution center (e.g., a Dock Sale) instead of having it delivered. If this segment appears and you have not been specifically set up to receive such a notification, or do not support Dock Sales, then this segment can be ignored.

**BeerBoard Segment Example:**

**TD5\*\*\*\*T\*103~**

**Segment:** **N9 Extended Reference Information**  
**Loop:**  
**Level:** Heading  
**Usage:** Optional action  
**Max Use:** 1  
**Purpose:** Code qualifying the Reference Information

Segment	Position	Field Name	Description	Length	Data Type	Req?
N9	1	<b>Extended Reference Information</b>	Code qualifying the Reference Identification	2/3	AN	Y
			<b>Code Name</b>			
			L1 Letter or Notes			
N9	2	<b>Reference Identification</b>	Reference information as specified by the Reference Identification Qualifier	1/30	AN	Y

**BeerBoard Segment Example:**

***N9\*L1\*MESSAGE TO FOLLOW~***

**Segment:** **MSG** Message  
**Loop:**  
**Level:** Heading  
**Usage:** Optional  
**Max Use:** 1  
**Purpose:** To specify textual data

Segment	Position	Field Name	Description	Length	Data Type	Req?
MSG	1	<b>Message</b>	Delivery Instructions or Notes	1/264	AN	N

**BeerBoard Segment Example:**

*MSG\*Deliver to the back door between 2:00PM and 5:00PM~*



**Segment:** **N1 Name**  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

Segment	Position	Field Name	Description	Length	Data Type	Req?
N1	1	Entity Identifier Code	Code identifying an organizational entity, a physical location, property or an individual  <b>Code Name</b> BT Bill To	2/2	AN	Y
N1	2	Name	Free-form Name	1/60	AN	Y
N1	3	Identification Code Qualifier	Code designating the system/method of code structure used for Identification Code  <b>Code Name</b> 9 Retailer DUNS	1/1	'9'	Y
N1	4	Identification Code	This is the DUNS of the retailer placing the order.	9/13	N	Y

**BeerBoard Segment Example:**

***N1\*BT\*Buffalo Wild Wings Natl\*9\*615715633~***

**Segment:** **N1 Name**  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To identify a party by type of organization, name, and code

Segment	Position	Field Name	Description	Length	Data Type	Req?
N1	1	Entity Identifier Code	Code identifying an organizational entity, a physical location, property or an individual  <b>Code Name</b> SN Store Number	2/2	AN	Y
N1	2	Name	Free-form Name	1/60	AN	Y
N1	3	Identification Code Qualifier	Code designating the system/method of code structure used for Identification Code  <b>Code Name</b> 92 Buyer's Store Number	2/2	'92'	Y
N1	4	Identification Code	Chain Store Number*	1/17	AN	Y

\* The Store Number value in N104 will be 0 filled to the left for a minimum length of 4.

**BeerBoard Segment Example:**

*N1\*SN\*Buffalo Wild Wings\*92\*0216~*

**Segment:** **N3 Address Information**  
**Loop:**  
**Level:** Heading  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party

Segment	Position	Field Name	Description	Length	Data Type	Req?
N3	1	<b>Address Information</b>	Street address	1/55	AN	Y
N3	2	<b>Address Information</b>	Additional street address	1/55	AN	N

**BeerBoard Segment Example:**

***N3\*225 W. Jefferson St.~***

**Segment:** **N4 Geographic Location**  
**Loop:**  
**Level:** Heading  
**Usage:** Conditional  
**Max Use:** 1  
**Purpose:** To specify the location of the named party

Segment	Position	Field Name	Description	Length	Data Type	Req?
N4	1	<b>City Name</b>	Free-form text for city name	2/30	AN	Y
N4	2	<b>State or Province Code</b>	Standard State/Province Code	2/2	AN	Y
N4	3	<b>Postal Code</b>	Code defining international postal zone code excluding punctuation and blanks (zip code for United States)	3/15	N	Y

**BeerBoard Segment Example:**

**N4\*Syracuse\*NY\*13202~**

**Segment:** **REF** **Reference Information**  
**Loop:**  
**Level:** Heading  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** Code qualifying the Reference Information

Segment	Position	Field Name	Description	Length	Data Type	Req?
REF	1	<b>Extended Reference Information</b>	Code qualifying the Reference Identification  <b>Code Name</b>  11 Customer Account Identifier	2/3	AN	Y
REF	2	<b>Reference Identification</b>	Distributor's Customer ID	1/30	AN	Y

**BeerBoard Segment Example:**

**REF\*11\*440000217~**

**Segment:** **PO1** **Baseline Item Data**  
**Loop:**  
**Level:** Detail  
**Usage:** Mandatory  
**Max Use:** 1  
**Purpose:** To specify basic and most frequently used line item data

Segment	Position	Field Name	Description	Length	Data Type	Req?
PO1	1	<b>Line Count</b>	Padded Current Line Count	1/5	N	Y
PO1	2	<b>Quantity</b>	Number of Units Ordered	1/9	N	Y
PO1	3	<b>Unit or Basis of Measurement</b>	Code specifying the units in which a value is being expressed, or manner in which a measurement has been taken  <b>Code Name</b> CA Case KE Keg EA Each	2/2	AN	Y
PO1	4	<b>Unit Price</b>	Price per unit of product, service, commodity, etc.	12/12	N(4)	N
PO1	6	<b>Product/Service ID Qualifier</b>	Code identifying the type or source of the descriptive number used in Product/Service ID  <b>Code Name</b> VN Vendor Product Number	2/2	AN	Y
PO1	7	<b>Product/Service ID</b>	Identifying number of a product or service	1/15	AN	Y
PO1	8	<b>Product/Service ID Qualifier</b>	Code identifying the type or source of the descriptive number used in Product/Service ID  <b>Code Name</b> UI Carrier/Pack UPC	2/2	AN	N*
PO1	9	<b>Product/Service ID</b>	Identifying number of a product or service	1/15	AN	N*

PO1	10	<b>Product/Service ID Qualifier</b>	Code identifying the type or source of the descriptive number used in Product/Service ID	2/2	AN	N*
			<b>Code Name</b>			
			SP Supplier Product Num			
PO1	11	<b>Product/Service ID</b>	Identifying number of a product or service	1/15	AN	N*

*\*If PO1\_8 is used, then PO1\_9 must be used*

*If PO1\_10 is used, then PO1\_11 must be used*

**BeerBoard Segment Example:**

**PO1\*00001\*2\*CA\*24.5000\*\*VN\*8049\*UI\*080049998452\*SP\*700948~**

**PO1\*00002\*2\*KE\*120.0000\*\*VN\*9729\*UI\*080399309236\*SP\*703009~**

**Segment: PID Product/Item Description**

**Loop:**

**Level:** Detail

**Usage:** Used

**Max Use:** 1

**Purpose:** To describe a product or process in coded or free-form format

Segment	Position	Field Name	Description	Length	Data Type	Req?
PID	1	<b>Item Description Type</b>	Code indicating the format of a description  <b>Code Name</b> F Free-form	1/1	AN	N
PID	5	<b>Description</b>	A free-form description to clarify the related data elements and their content	1/80	AN	Y

**BeerBoard Segment Examples:**

*PID\*F\*\*\*\*2/12 IPA Beer Product~*

*PID\*F\*\*\*\*1/2 BBL Beer Product~*



**Segment:** **CTT Transaction Set Trailer**

**Loop:**

**Level:** Summary

**Usage:** Optional

**Max Use:** 1

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

Segment	Position	Field Name	Description	Length	Data Type	Req?
CTT	1	<b>Total Number of Transactions</b>	This is the total number of line items contained in this PO	1/6	N	N
CTT	2	<b>Total Number or Units</b>	This is the total number of units contained in this PO	1/9	N	N

**BeerBoard Segment Example:**

**CTT\*2\*4~**

**Example Test File:**

ISA\*00\* \*00\* \*ZZ\*BEERBOARD \*ZZ\*DISTNAME \*190411\*0909\*U\*00401\*000009673\*0\*P\*>~  
GS\*PO\*BeerBoard\*DistName\*20190411\*0909\*9673\*X\*004010~  
ST\*850\*96730001~  
BEG\*00\*SA\*BB12345\*\*20190411~  
DTM\*074\*20190414~  
TD5\*\*\*\*T\*103~  
N9\*L1\*MESSAGE TO FOLLOW~  
MSG\*Deliver to the back door between 2:00PM and 5:00PM~  
N1\*BT\*Buffalo Wild Wings Natl\*9\*615715633~  
N1\*SN\*Buffalo Wild Wings\*92\*0128~  
N3\*225 W. Jefferson St.~  
N4\*Syracuse\*NY\*13202~  
REF\*11\*440000217~  
PO1\*00001\*2\*CA\*24.5000\*\*VN\*8049\*UI\*080049998452\*SP\*700948~  
PID\*F\*\*\*\*2/12 IPA Beer Product~  
PO1\*00002\*2\*KE\*120.0000\*\*VN\*9729\*UI\*080399309236\*SP\*703009~  
PID\*F\*\*\*\*1/2 BBL Beer Product~  
CTT\*2\*4~  
SE\*18\*96730001~  
GE\*1\*9673~  
IEA\*1\*000009673~

**Contact** - [edi@beerboard.com](mailto:edi@beerboard.com)