

# 850 Purchase Order

**TABLE 1**

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
Must Use	M	1	10	ST	Transaction Set Header
Must Use	M	1	20	BEG	Beginning Segment for Purchase Order
	O	1	40	PER	Administrative Communications Contact
Must Use	O	12	240	TD5	Carrier Details (Routing Sequence/Transit Time)
				<b>LOOP ID - N9</b>	<b>MAX: &gt;1</b>
	O	1	275	N9	Reference Identification
	O	1	292	MSG	Message Text
				<b>LOOP ID - N1</b>	<b>MAX: 200</b>
Must Use	M	2	310	N1	Name
Must Use	M	2	330	N3	Address Information
Must Use	O	>1	340	N4	Geographic Location

**TABLE 2**

USER REQ	REQ. DES.	MAX USE	POS NO.	SEGMENT ID	SEGMENT NAME
				<b>LOOP ID - PO1</b>	<b>MAX: 100000</b>
Must Use	M	1	10	PO1	Baseline Item Data
				<b>LOOP ID - CTP</b>	<b>MAX: &gt;1</b>
	O	1	40	CTP	Pricing Information
				<b>LOOP ID - PID</b>	<b>MAX: 1000</b>
	O	1	50	PID	Product/Item Description
Must Use	M	1	25	CTT	Transaction Totals
	O	1	-242	AMT	Monetary Amount
Must Use	M	1	30	SE	Transaction Set Trailer



**ST ° Transaction Set Header**

**User Req:** MUST USE  
**Table/Area:** 1  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0010  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	ST01	143	Transaction Set Identifier Code	ID	3	3
				850   Purchase Order			
	M	ST02	329	Transaction Set Control Number	AN	4	9



**BEG ° Beginning Segment for Purchase Order**

**User Req:** MUST USE  
**Table/Area:** 1  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0020  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	BEG01	353	Transaction Set Purpose Code	ID	2	2
				00   Original			
	M	BEG02	92	Purchase Order Type Code	ID	2	2
	M	BEG03	324	Purchase Order Number	AN	1	22
			<b>Level 1 Note:</b> <CustomerOrderNumber>PO123-100</CustomerOrderNumber> <b>Level 2 Note:</b> "PartnerPO": "PO123-100"				
	M	BEG05	373	Date	DT	8	8
			<b>Level 1 Note:</b> <Date>2015-11-06</Date> <b>Level 2 Note:</b> "OrderDate": "2015-11-06T20:51:56.729Z"				

**Segment Note:** To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

**PER**

**PER ° Administrative Communications Contact**

**User Req:** USED  
**Table/Area:** 1  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0040  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PER01	366	Contact Function Code	ID	2	2
				BD   Buyer Name or Department			
	O	PER02	93	Name	AN	1	60
				<b>Level 1 Note:</b> <ShipToContact>FirstName LastName</ShipToContact>			
	O	PER03	365	Communication Number Qualifier	ID	2	2
				TE   Telephone			
	O	PER04	364	Communication Number	AN	1	80
				<b>Level 1 Note:</b> <ShipToPhone>16199712074</ShipToPhone>			

**Syntax Notes:** If any of 03 or 04 are present, then all are required.  
 If any of 05 or 06 are present, then all are required.  
 If any of 07 or 08 are present, then all are required.

# TD5

## TD5 ° Carrier Details (Routing Sequence/Transit Time)

**User Req:** MUST USE  
**Table/Area:** 1  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0240  
**Max Use:** 12

### Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.		
	O	TD504	91	Transportation Method/Type Code	ID	1	2		
				<table border="1" style="width: 100%;"><tr><td>M</td><td>Motor (Common Carrier)</td></tr></table>	M	Motor (Common Carrier)			
M	Motor (Common Carrier)								
	O	TD505	387	Routing	AN	1	35		
				<b>Level 1 Note:</b> <ShipMethod>UNSP_G</ShipMethod>					
				<b>Level 2 Note:</b> "ShipmentInfos": [ "ClassCode": "UNSP_G",					

**Syntax Notes:** At least one of 02, 04, 05, 06 and 12 is required.  
 If 02 is present, then 03 is required.  
 If 07 is present, then 08 is required.  
 If 10 is present, then 11 is required.  
 If 13 is present, then 12 is required.  
 If 14 is present, then 13 is required.  
 If 15 is present, then 12 is required.

**Set Note:** Standard Shipment Methods used include: UNSP, UPSN, USPS, FDEG, DHL  
**Set Comment:** If using API or XML service level will be appended to ship method using a "\_"

**N9**

**N9 ° Reference Identification**

**User Req:** USED  
**Table/Area:** 1  
**Loop:** N9  
**Loop Section:** N9  
**Position:** 0275  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N901	128	Reference Identification Qualifier	ID	2	3
				L1	Letters or Notes		

**Syntax Notes:** At least one of 02 and 03 is required.  
 If 06 is present, then 05 is required.



**MSG ° Message Text**

**User Req:** USED  
**Table/Area:** 1  
**Loop:** N9  
**Loop Section:** N9  
**Position:** 0292  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	MSG01	933	Free-Form Message Text	AN	1	264
				<b>Level 1 Note:</b> <OrderMessages> <Message>This is a test note</Message> </OrderMessages>			
				<b>Level 2 Note:</b> "Note": "This is a test note"			

**Syntax Notes:** If 03 is present, then 02 is required.

# N1

## N1 ° Name

**User Req:** MUST USE  
**Table/Area:** 1  
**Loop:** N1  
**Loop Section:** N1  
**Position:** 0310  
**Max Use:** 2

### Data Element Summary

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.						
	M	N101	98	Entity Identifier Code	ID	2	3						
				<table border="1"> <tr> <td>BT</td> <td>Bill-to-Party</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>OB</td> <td>Ordered By</td> </tr> </table>	BT	Bill-to-Party	ST	Ship To	OB	Ordered By			
BT	Bill-to-Party												
ST	Ship To												
OB	Ordered By												
	O	N102	93	Name	AN	1	60						
				<p><b>Level 1 Note:</b> &lt;ShipToContact&gt;FirstName                      LastName&lt;/ShipToContact&gt;                      &lt;BillToContact&gt;Jerry Only&lt;/BillToContact&gt;                      &lt;OrderDataItem&gt;                      &lt;Key&gt;ExternalAPI_OrderedByContact_FName&lt;/Key&gt;                      &lt;Value&gt;string&lt;/Value&gt;                      &lt;/OrderDataItem&gt;</p> <p><b>Level 2 Note:</b> "BillToAddress": {                      "FirstName": "Jerry",                      "LastName": "Only",                      "OrderedByAddress": {                      "FirstName": "string",                      "LastName": "string",                      "ShipToAddress": {                      "FirstName": "John",                      "LastName": "Doe",</p>									

**Syntax Notes:** At least one of 02 and 03 is required.  
 If any of 03 or 04 are present, then all are required.



**N3**

**N3 ° Address Information**

**User Req:** MUST USE  
**Table/Area:** 1  
**Loop:** N1  
**Loop Section:** N1  
**Position:** 0330  
**Max Use:** 2

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	N301	166	Address Information	AN	1	55
				<b>Level 1 Note:</b> <ShipToAddressLine1>123 Main St</ShipToAddressLine1> <BillToAddressLine1>111 Merchant Lane</BillToAddressLine1> <OrderDataItem> <Key>ExternalAPI_OrderedByContact_OrderedByAddressLine1</Key> <Value>string</Value> </OrderDataItem> <b>Level 2 Note:</b> "ShipToAddress": { "Address1": "123 Main St", "BillToAddress": { "Address1": "111 Merchant Lane", "OrderedByAddress": { "AddressLine1": "string",			
	O	N302	166	Address Information	AN	1	55
				<b>Level 1 Note:</b> <ShipToAddressLine2>Ste 101</ShipToAddressLine2> <BillToAddressLine2>Ste 101</BillToAddressLine2> <OrderDataItem> <Key>ExternalAPI_OrderedByContact_OrderedByAddressLine2</Key> <Value>string</Value> </OrderDataItem> <b>Level 2 Note:</b> "ShipToAddress": { "Address2": "Ste 101", "BillToAddress": { "Address2": "Apt 1", "OrderedByAddress": { "AddressLine2": "string",			

**N4**

**N4 ° Geographic Location**

User Req: MUST USE  
 Table/Area: 1  
 Loop: N1  
 Loop Section: N1  
 Position: 0340  
 Max Use: >1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	N401	19	City Name	AN	2	30
				<b>Level 1 Note:</b> <BillToCity>Shelton</BillToCity> <ShipToCity>Shelton</ShipToCity> <OrderDataItem> <Key>ExternalAPI_OrderedByContact_City</Key> > <Value>string</Value> </OrderDataItem>			
				<b>Level 2 Note:</b> "ShipToAddress": { "City": "Shelton", "BillToAddress": { "City": "Yonkers", "OrderedByAddress": { "City": "string",			
	O	N402	156	State or Province Code	ID	2	2
				<b>Level 1 Note:</b> <ShipToState>CT</ShipToState> <BillToState>CT</BillToState> <OrderDataItem> <Key>ExternalAPI_OrderedByContact_State</Key> > <Value>string</Value> </OrderDataItem>			
				<b>Level 2 Note:</b> "ShipToAddress": { "State": "CT", "BillToAddress": { "State": "NY", "OrderedByAddress": { "State": "string",			
	O	N403	116	Postal Code	ID	3	15
				<b>Level 1 Note:</b> <ShipToZip>06484</ShipToZip> <BillToZip>10704</BillToZip> <OrderDataItem> <Key>ExternalAPI_OrderedByContact_Zip</Key> <Value>string</Value> </OrderDataItem>			
				<b>Level 2 Note:</b> "BillToAddress": { "Zip": "10704", "ShipToAddress": { "Zip": "06484", "OrderedByAddress": { "Zip": "string",			
	O	N404	26	Country Code	ID	2	3
				<b>Level 1 Note:</b> <BillToCountry>US</BillToCountry> <ShipToCountry>US</ShipToCountry> <OrderDataItem>			

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
				<Key>ExternalAPI_OrderedByContact_Country</Key> <Value>string</Value> </OrderDataItem> <b>Level 2 Note:</b> "ShipToAddress": { "Country": "USA", "BillToAddress": { "Country": "USA", "OrderedByAddress": { "Country": "string",			

**Syntax Notes:** If 06 is present, then 05 is required.

**PO1**

**PO1 ° Baseline Item Data**

User Req: MUST USE  
 Table/Area: 2  
 Loop: PO1  
 Loop Section: PO1  
 Position: 0010  
 Max Use: 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PO101	350	Assigned Identification	AN	1	20
				<b>Level 1 Note:</b> <LineID>1</LineID> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "LineNumber": 1,			
	M	PO102	330	Quantity Ordered	R	1	15
				<b>Level 1 Note:</b> <Qty>1</Qty> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "Quantity": 1,			
	M	PO103	355	Unit or Basis for Measurement Code	ID	2	2
				<b>Level 1 Note:</b> <QtyUnitOfMeasure>EA</QtyUnitOfMeasure> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "QuantityUOM": "EA", EA      Each			
	M	PO104	212	Unit Price	R	1	17
				<b>Level 1 Note:</b> <Price>1</Price> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "Price": 50,			
	O	PO105	639	Basis of Unit Price Code	ID	2	2
				TE      Contract Price per Each			
	O	PO106	235	Product/Service ID Qualifier	ID	2	2
				IN      Buyer's Item Number			
	O	PO107	234	Product/Service ID	AN	1	48
				<b>Level 1 Note:</b> <CustomerPartNumber>510145</CustomerPartNumber> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "PartnerSKU": "1234567",			
	M	PO108	235	Product/Service ID Qualifier	ID	2	2
				VN      Vendor's (Seller's) Item Number			
	M	PO109	234	Product/Service ID	AN	1	48
				<b>Level 1 Note:</b> <VendorPartNumber>V52</VendorPartNumber> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "SupplierSKU": "V-12345",			

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.		
	O	PO110	235	Product/Service ID Qualifier	ID	2	2		
				<table border="1"> <tr> <td>UP</td> <td>U.P.C. Consumer Package Code (1-5-5-1)</td> </tr> </table>	UP	U.P.C. Consumer Package Code (1-5-5-1)			
UP	U.P.C. Consumer Package Code (1-5-5-1)								
	O	PO111	234	Product/Service ID	AN	1	48		
				<b>Level 1 Note:</b> <UPC>076855514375</UPC> <b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "UPC": "123456789012",					

**Syntax Notes:** If 03 is present, then 02 is required.  
 If 05 is present, then 04 is required.  
 If any of 06 or 07 are present, then all are required.  
 If any of 08 or 09 are present, then all are required.  
 If any of 10 or 11 are present, then all are required.  
 If any of 12 or 13 are present, then all are required.  
 If any of 14 or 15 are present, then all are required.  
 If any of 16 or 17 are present, then all are required.  
 If any of 18 or 19 are present, then all are required.  
 If any of 20 or 21 are present, then all are required.  
 If any of 22 or 23 are present, then all are required.  
 If any of 24 or 25 are present, then all are required.



**CTP ° Pricing Information**

**User Req:** USED  
**Table/Area:** 2  
**Loop:** CTP  
**Loop Section:** PO1;CTP  
**Position:** 0040  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	O	CTP02	236	Price Identifier Code	ID	3	3
				PPD   Prepaid Freight Charges			
	O	CTP03	212	Unit Price	R	1	17

**Syntax Notes:** If any of 04 or 05 are present, then all are required.  
 If 06 is present, then 07 is required.  
 If 09 is present, then 02 is required.  
 If 10 is present, then 02 is required.  
 If 11 is present, then 03 is required.

**PID**

**PID ° Product/Item Description**

**User Req:** USED  
**Table/Area:** 2  
**Loop:** PID  
**Loop Section:** PO1;PID  
**Position:** 0050  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	PID01	349	Item Description Type	ID	1	1
	O	PID05	352	Description	AN	1	80
				<b>Level 1 Note:</b> <Description>Fork</Description>			
				<b>Level 2 Note:</b> "OrderLines": [ "ItemIdentifier": { "Description": "Glass Doll",			

**Syntax Notes:** If 04 is present, then 03 is required.  
 At least one of 04 and 05 is required.  
 If 07 is present, then 03 is required.  
 If 08 is present, then 04 is required.  
 If 09 is present, then 05 is required.



**CTT ° Transaction Totals**

**User Req:** MUST USE  
**Table/Area:** 2  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0025  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	CTT01	354	Number of Line Items	N0	1	6

**Syntax Notes:** If any of 03 or 04 are present, then all are required.  
 If any of 05 or 06 are present, then all are required.





**AMT ° Monetary Amount**

**User Req:** USED  
**Table/Area:** 2  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** -242  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.		
	M	AMT01	522	Amount Qualifier Code	ID	1	3		
				<table border="1"> <tr> <td>TT</td> <td>Total Transaction Amount</td> </tr> </table>	TT	Total Transaction Amount			
TT	Total Transaction Amount								
	M	AMT02	782	Monetary Amount	R	1	18		



**SE ° Transaction Set Trailer**

**User Req:** MUST USE  
**Table/Area:** 2  
**Loop:** N/A  
**Loop Section:** N/A  
**Position:** 0030  
**Max Use:** 1

**Data Element Summary**

User Req	Req. Des.	Ref. Des.	Data Element	Element Name	Data Type	Min Len.	Max Len.
	M	SE01	96	Number of Included Segments	N0	1	10
	M	SE02	329	Transaction Set Control Number	AN	4	9

