

# 850

## Purchase Order

### Functional Group=PO

This Draft Standard for Trial Use 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.

#### Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
001	ISA	Interchange Control Header	M	1		
002	GS	Functional Group Header	M	1		
010	ST	Transaction Set Header	M	1		
020	BEG	Beginning Segment for Purchase Order	M	1		
040	CUR	Currency	O	1		
050	REF	Reference Identification	O	>1		

<u>LOOP ID - N1</u>					<u>200</u>	
310	N1	Name	M	1		
360	PER	Administrative Communications Contact	O	>1		
031	GE	Functional Group Trailer	M	1		
032	IEA	Interchange Control Trailer	M	1		

#### Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
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<u>LOOP ID - PO1</u>					<u>100000</u>	
010	PO1	Baseline Item Data	M	1		N2/010
100	REF	Reference Identification	O	>1		

<u>LOOP ID - SCH</u>					<u>200</u>	
295	SCH	Line Item Schedule	O	1		N2/295

#### Summary:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
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<u>LOOP ID - CTT</u>					<u>1</u>	
010	CTT	Transaction Totals	O	1		C&N3/0 10
030	SE	Transaction Set Trailer	M	1		

#### Comments:

3/010 The CTT segment is required by TI.

# ISA

## Interchange Control Header

Pos: 001	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 16

To start and identify an interchange of zero or more functional groups and interchange-related control segments

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA01	I01	<b>Authorization Information Qualifier</b>	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		00 No Authorization Information Present (No Meaningful Information in I02)			
		01 UCS Communications ID			
ISA02	I02	<b>Authorization Information</b>	M	AN	10/10
ISA03	I03	<b>Security Information Qualifier</b>	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		00 No Security Information Present (No Meaningful Information in I04)			
		01 Password			
ISA04	I04	<b>Security Information</b>	M	AN	10/10
ISA05	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		01 Duns (Dun & Bradstreet)			
ISA06	I06	<b>Interchange Sender ID</b>	M	AN	15/15
ISA07	I05	<b>Interchange ID Qualifier</b>	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		01 Duns (Dun & Bradstreet)			
ISA08	I07	<b>Interchange Receiver ID</b>	M	AN	15/15
ISA09	I08	<b>Interchange Date</b>	M	DT	6/6
ISA10	I09	<b>Interchange Time</b>	M	TM	4/4
ISA11	I10	<b>Interchange Control Standards Identifier</b>	M	ID	1/1
		<u>Code</u> <u>NAME</u>			
		U U.S. EDI Community of ASC X12,and UCS			
ISA12	I11	<b>Interchange Control Version Number</b>	M	ID	5/5
ISA13	I12	<b>Interchange Control Number</b>	M	N0	9/9
ISA14	I13	<b>Acknowledgment Requested</b>	M	ID	1/1
		<u>Code</u> <u>NAME</u>			
		0 No Acknowledgment Requested			
		1 Interchange Acknowledgment Requested			

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ISA15	I14	Usage Indicator <u>Code</u> <u>NAME</u> P Production Data T Test Data	M	ID	1/1
ISA16	I15	Component Element Separator	M		1/1

# GS

## Functional Group Header

Pos: 002	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 8

To indicate the beginning of a functional group and to provide control information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GS01	479	<b>Functional Identifier Code</b> <u>Code NAME</u> PO Purchase Order (850)	M	ID	2/2
GS02	142	<b>Application Sender's Code</b>	M	AN	2/15
GS03	124	<b>Application Receiver's Code</b>	M	AN	2/15
GS04	373	<b>Date</b> <b>User:</b> Format: CCYYMMDD. *Previous standards are length 6 with format YYMMDD.	M	DT	8/8
GS05	337	<b>Time</b> <b>User:</b> Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59). *Previous standards are length 4.	M	TM	4/8
GS06	28	<b>Group Control Number</b>	M	N0	1/9
GS07	455	<b>Responsible Agency Code</b> <u>Code NAME</u> X Accredited Standards Committee X12	M	ID	1/2
GS08	480	<b>Version / Release / Industry Identifier Code</b> <u>Code NAME</u> 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12

### Semantics:

- GS04 is the group date.
- GS05 is the group time.
- The data interchange control number GS06 in this header must be identical to the same data element in the associated functional group trailer, GE02.

# ST

## Transaction Set Header

Pos: 010	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the start of a transaction set and to assign a control number

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
ST01	143	Transaction Set Identifier Code	M	ID	3/3
		<u>Code</u> <u>NAME</u>			
		850 Purchase Order			
ST02	329	Transaction Set Control Number	M	AN	4/9

# BEG Beginning Segment for Purchase Order

Pos: 020	Max: 1
Heading - Mandatory	
Loop: N/A Elements: 5	

To indicate the beginning of the Purchase Order Transaction Set and transmit identifying numbers and dates

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		00 Original			
		06 Confirmation			
BEG02	92	Purchase Order Type Code	M	ID	2/2
		<u>Code</u> <u>NAME</u>			
		SA Stand-alone Order			
BEG03	324	Purchase Order Number	M	AN	1/22
BEG04	328	Release Number	O	AN	1/30
BEG05	373	Date	M	DT	8/8
		User:			
		Date expressed as CCYYMMDD.			
		* previous versions are length 6 in format YYMMDD.			

## Semantics:

1. BEG05 is the date assigned by the purchaser to purchase order.

# CUR Currency

Pos: 040	Max: 1
Heading - Optional	
Loop: N/A	Elements: 2

To specify the currency (dollars, pounds, francs, etc.) used in a transaction

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CUR01	98	Entity Identifier Code <u>Code</u> <u>NAME</u> BY Buying Party (Purchaser)	M	ID	2/3
CUR02	100	Currency Code	M	ID	3/3

# REF Reference Identification

Pos: 050	Max: >1
Heading - Optional	
Loop: N/A	Elements: 2

To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>NAME</u>			
		GC Government Contract Number			
		PR Price Quote Number			
REF02	127	Reference Identification	C	AN	1/30



# N1 Name

Pos: 310	Max: 1
Heading - Mandatory	
Loop: N1	Elements: 4

To identify a party by type of organization, name, and code

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
N101	98	Entity Identifier Code	M	ID	2/3
		<u>Code</u> <u>NAME</u>			
		BY Buying Party (Purchaser)			
		EN End User			
		MA Party for whom Item is Ultimately Intended			
		ST Ship To			
N102	93	Name	C	AN	1/60
N103	66	Identification Code Qualifier	C	ID	1/2
		User:			
		91 - TI's Customer ID Number.			
		92 - Sender's Internal Customer ID Number.			
		Internal:			
		<u>Code</u> <u>NAME</u>			
		1 D-U-N-S Number,Dun & Bradstreet			
		9 D-U-N-S+4,D-U-N-S Number with Four Character Suffix			
		91 Assigned by Seller or Seller's Agent			
		92 Assigned by Buyer or Buyer's Agent			
N104	67	Identification Code	C	AN	2/80

## Syntax:

R0203 -- At least one of N102 or N103 is required.P0304 -- If either N103 or N104 are present, then the others are required.

## Comments:

N1 segment is required by TI and the N104 must be included.

# PER Administrative Communications Contact

Pos: 360	Max: >1
Heading - Optional	
Loop: N1 Elements: 4	

To identify a person or office to whom administrative communications should be directed

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PER01	366	Contact Function Code <u>Code</u> <u>NAME</u> BD Buyer Name or Department	M	ID	2/2
PER02	93	Name	O	AN	1/60
PER03	365	Communication Number Qualifier <u>Code</u> <u>NAME</u> TE Telephone	C	ID	2/2
PER04	364	Communication Number	C	AN	1/80

## Syntax:

P0304 -- If either PER03 or PER04 are present, then the others are required.

# PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 11

To specify basic and most frequently used line item data

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
PO101	350	Assigned Identification	O	AN	1/20
PO102	330	Quantity Ordered	C	R	1/15
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2
		<u>Code</u> <u>NAME</u>			
		EA Each			
		PC Piece			
PO104	212	Unit Price	C	R	1/17
PO105	639	Basis of Unit Price Code	O	ID	2/2
		<u>Code</u> <u>NAME</u>			
		CT Contract			
PO106	235	Product/Service ID Qualifier	C	ID	2/2
		<u>Code</u> <u>NAME</u>			
		BP Buyer's Part Number			
		PN Company Part Number			
PO107	234	Product/Service ID	C	AN	1/48
		User:			
		Customer Part Number.			
PO108	235	Product/Service ID Qualifier	C	ID	2/2
		<u>Code</u> <u>NAME</u>			
		EC Engineering Change Level			
PO109	234	Product/Service ID	C	AN	1/48
		User:			
		Customer Part Number Revision.			
PO110	235	Product/Service ID Qualifier	C	ID	2/2
		<u>Code</u> <u>NAME</u>			
		VP Vendor's (Seller's) Part Number			
PO111	234	Product/Service ID	C	AN	1/48
		User:			
		TI Part Number.			

**Syntax:**

C0302 -- If PO103 is present, then PO102 is required  
C0504 -- If PO105 is present, then PO104 is required  
P0607 -- If either PO106 or PO107 are present, then the others are required.  
P0809 -- If either PO108 or PO109 are present, then the others are required.  
P1011 -- If either PO110 or PO111 are present, then the others are required.

**Comments:**

The PO102 and PO103 are required by TI.

# REF Reference Identification

Pos: 100	Max: >1
Detail - Optional	
Loop: PO1	Elements: 2

To specify identifying information

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3
		<u>Code</u> <u>NAME</u>			
		DQ Delivery Quote Number			
		GC Government Contract Number			
		GP Government Priority Number			
		IT Internal Customer Number			
		PH Priority Rating			
		PR Price Quote Number			
		VN Vendor Order Number			
REF02	127	Reference Identification	C	AN	1/30

## Syntax:

R0203 -- At least one of REF02 or REF03 is required.

# SCH Line Item Schedule

Pos: 295	Max: 1
Detail - Optional	
Loop: SCH	Elements: 5

To specify the data for scheduling a specific line-item

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SCH01	380	Quantity	M	R	1/15
SCH02	355	Unit or Basis for Measurement Code <u>Code</u> <u>NAME</u> EA Each	M	ID	2/2
SCH05	374	Date/Time Qualifier <u>Code</u> <u>NAME</u> 002 Delivery Requested 010 Requested Ship 017 Estimated Delivery	M	ID	3/3
SCH06	373	Date User: Date expressed as CCYYMMDD. * previous versions are length 6 in format YYMMDD.	M	DT	8/8
SCH07	337	Time User: Time expressed in 24-hour clock time as follows: HHMMSS, where H = hours (00-23), M = minutes (00-59), S = integer seconds (00-59). *Previous standards are length 4.	O	TM	4/8

## Syntax:

# CTT Transaction Totals

Pos: 010	Max: 1
Summary - Optional	
Loop: CTT	Elements: 1

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

## Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
CTT01	354	Number of Line Items	M	N0	1/6

# SE

## Transaction Set Trailer

Pos: 030	Max: 1
Summary - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments)

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
SE01	96	Number of Included Segments	M	N0	1/10
SE02	329	Transaction Set Control Number	M	AN	4/9



# GE

## Functional Group Trailer

Pos: 031	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To indicate the end of a functional group and to provide control information

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
GE01	97	Number of Transaction Sets Included	M	N0	1/6
GE02	28	Group Control Number	M	N0	1/9

### Semantics:

1. The data interchange control number GE02 in this trailer must be identical to the same data element in the associated functional group header, GS06.

# IEA

## Interchange Control Trailer

Pos: 032	Max: 1
Heading - Mandatory	
Loop: N/A	Elements: 2

To define the end of an interchange of zero or more functional groups and interchange-related control segments

### Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>
IEA01	I16	Number of Included Functional Groups	M	N0	1/5
IEA02	I12	Interchange Control Number	M	N0	9/9