



Fisher Scientific

Part of Thermo Fisher Scientific

EDI Specifications

850 - Purchase Order (Customer v4010)

December 2010



850

Purchase Order - Functional Group=PO

VER. 4010

FISHER SCIENTIFIC

This Standard contains the format and establishes the data contents of the Fisher Scientific Customer Purchase Order Transaction Set (850) for use within the context of an Electronic Data Interchange (EDI) environment. Please refer to the *EDI Services Guide* for additional information. All information contained herein is subject to change at the discretion of Fisher Scientific Company, L.L.C.

Heading:

<u>POS</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
010	ST	Transaction Set Header	M	1		
020	BEG	Beginning Segment for Purchase Order	M	1		
050	REF	Reference Identification	O	>1		
060	PER	Administrative Communications Contact	O	3		
150	DTM	Date/Time Reference	O	10		

LOOP ID - N1

310	N1	Name	O	1		
320	N2	Additional Name Information	O	2		
330	N3	Address Information	O	2		
340	N4	Geographic Information	O	>1		
350	REF	Reference Identification	O	12		
360	PER	Administrative communications Contact	O	>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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LOOP ID - PO1

100000

010	PO1	Baseline Item Data	M	1		N2/010
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LOOP ID - PID

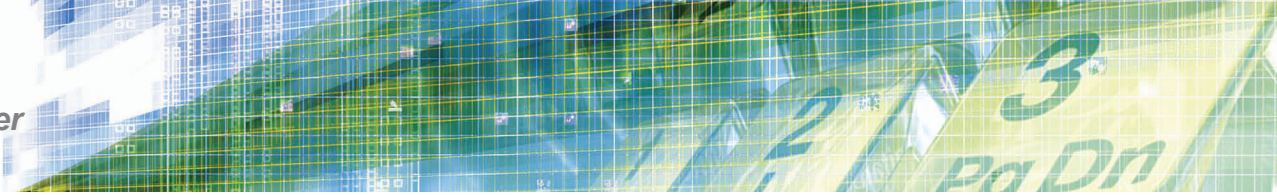
1000

050	PID	Product/Item Description	O	1		
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LOOP ID - SCH

200

295	SCH	Line Item Schedule	O	1		N2/295
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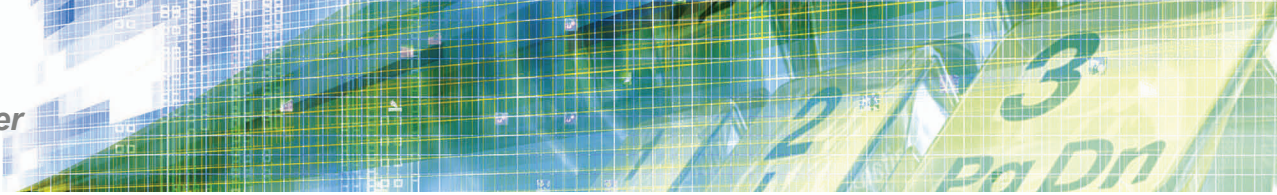


Summary:

<u>POS</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>
<u>LOOP ID - CTT</u>					<u>1</u>	
010	CTT	Transaction Totals	O	1		N3/010

Notes:

- 2/010 *PO102 is required.*
- 2/209 *The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.*
- 3/010 *The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.*



ST

Transaction Set Header

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

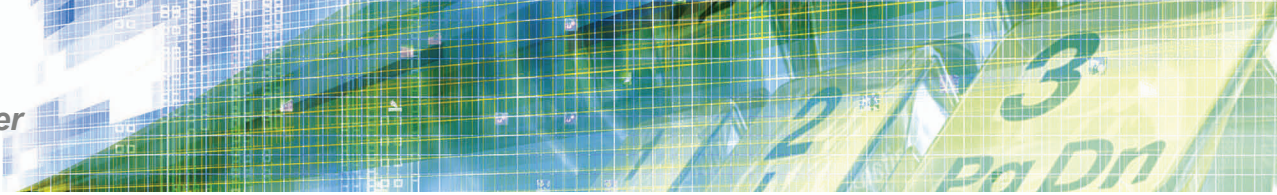
To indicate the start of a transaction set and to assign a control number.

Element Summary:

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

Semantics:

1. The transaction set identifier (ST01) used by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the Invoice Transaction Set).



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>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
BEG01	353	Transaction Set Purpose Code	M	ID	2/2	
		<u>Code</u> <u>Name</u>				
		00 Original				
		02 Add				
		06 Confirmation				
		13 Request				
		15 Re-Submission				
		18 Reissue				
		20 Final Transmission				
BEG02	92	Transaction Set Control Number	M	ID	2/2	
		<u>Code</u> <u>Name</u>				
		BE Blanket Order/Estimated Quantities (Not firm Commitment)				
		BK Blanket Order (Quantity Firm))				
		NE New Order				
		SA Stand-alone Order				
BEG03	324	Purchase Order Number	M	AN	1/22	
BDG04	328	Release Number	O	AN	1/30	
BEG05	373	Date	M	DT	8/8	

Semantics:

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



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>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	
		<u>Code</u> <u>Name</u>				
		RE Release Number				
		RQ Purchase Requisition Number				
		E4 Charge Card Number				
REF02	127	Reference Identification	C	AN	1/30	

Semantics:

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



PER Administrative Communications Contact

POS: 060	Max: 3
Heading - Optional	
Loop: N/A	Elements: 4

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

Element Summary:

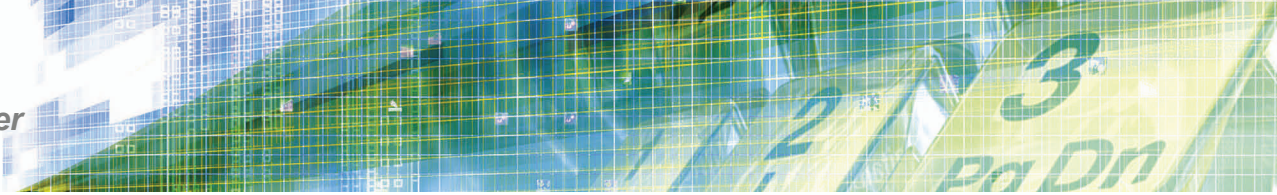
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
PER01	366	Contact Function Code	M	ID	2/2	N1/366
		<u>Code</u> <u>Name</u>				
		BD Buyer Name or Department				
		NT Notification Contact				
PER02	93	Name	O	AN	1/60	
PER03	365	Communication Number Qualifier	C	ID	2/2	
		<u>Code</u> <u>Name</u>				
		TE Telephone				
PER04	364	Communication Number	C	AN	1/80	

Syntax:

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

Notes:

1/366 Please refer to EDI Services Guide for additional requirements.



N1

Name

POS: 310	Max: 1
Heading - Optional	
Loop: N1	Elements: 4

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

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>												
N101	98	Entity Identifier Code	M	ID	2/3													
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>BS</td> <td>Bill and Ship To</td> </tr> <tr> <td>BT</td> <td>Bill-to-Party</td> </tr> <tr> <td>BY</td> <td>Buying Party (Purchaser)</td> </tr> <tr> <td>ST</td> <td>Ship To</td> </tr> <tr> <td>VN</td> <td>Vendor</td> </tr> </table>	<u>Code</u>	<u>Name</u>	BS	Bill and Ship To	BT	Bill-to-Party	BY	Buying Party (Purchaser)	ST	Ship To	VN	Vendor				
<u>Code</u>	<u>Name</u>																	
BS	Bill and Ship To																	
BT	Bill-to-Party																	
BY	Buying Party (Purchaser)																	
ST	Ship To																	
VN	Vendor																	
N102	93	Name	C	AN	1/60													
N103	66	Identifier Code Qualifier	C	ID	1/2													
		<table border="0"> <tr> <td><u>Code</u></td> <td><u>Name</u></td> </tr> <tr> <td>91</td> <td>Assigned by Seller or Seller's Agent</td> </tr> <tr> <td>92</td> <td>Assigned by Buyer or Buyer's Agent</td> </tr> </table>	<u>Code</u>	<u>Name</u>	91	Assigned by Seller or Seller's Agent	92	Assigned by Buyer or Buyer's Agent										
<u>Code</u>	<u>Name</u>																	
91	Assigned by Seller or Seller's Agent																	
92	Assigned by Buyer or Buyer's Agent																	
N104	67	Identification Code	C	AN	2/80	N1/67												

Syntax:

1. R0203 - At least one of N102 or N103 is required.
2. R0304 - If either N103 or N104 are present, then the others are required.

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.

Notes:

1/67 Please refer to EDI Services Guide for additional requirements.



N2

Additional Name Information

POS: 320	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify additional names or those longer than 35 characters in length.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
N201	93	Name	M	AN	1/60	
N202	93	Name	C	AN	1/60	



N3

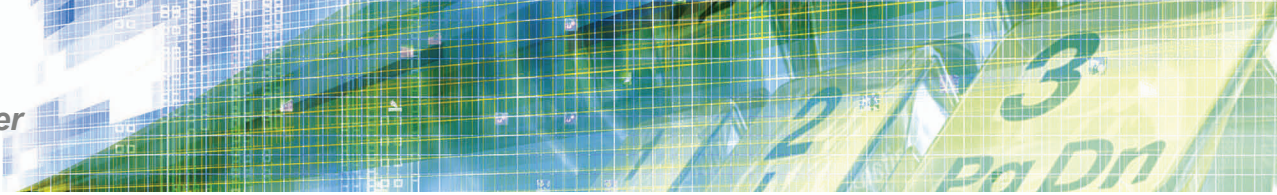
Address Information

POS: 330	Max: 2
Heading - Optional	
Loop: N1	Elements: 2

To specify the location of the named party.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
N301	166	Address Information	M	AN	1/55	
N302	166	Address Information	C	AN	1/55	



N4

Geographic Location

POS: 340 Max: >1
 Heading - Optional
 Loop: N1 Elements: 3

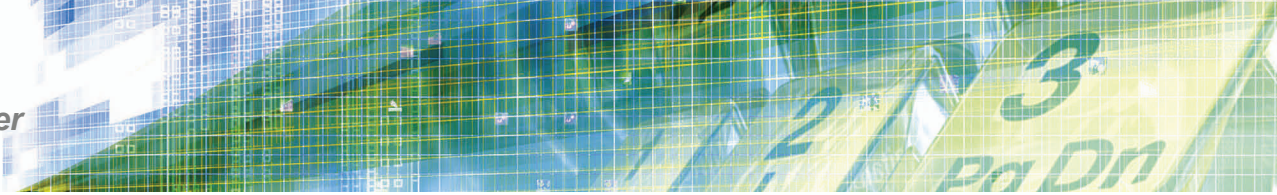
To specify the geographic place of the named party.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
N402	19	City Name	O	AN	2/30	
N403	156	State or Province Code	O	ID	2/2	
N404	116	Postal Code	O	ID	3/15	

Comments:

1. A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
2. N402 is required only if city name (N401) is in the U.S. or Canada.



REF Reference Identification

POS: 350	Max: 12
Heading - Optional	
Loop: N1	Elements: 2

To specify identifying information.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
REF01	128	Reference Identification Qualifier	M	ID	2/3	
		<u>Code</u> <u>Name</u>				
		RE Release Number				
		RQ Purchase Requisition Number				
REF02	127	Reference Identification	C	AN	1/30	

Syntax:

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

Semantics:

1. REF04 contains data relating to the value cited in REF02.



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

Syntax:

1. R0304 - If either PER03 or PER04 are present, then the others are required.



PO1 Baseline Item Data

POS: 010	Max: 1
Heading - Mandatory	
Loop: PO1	Elements: 6

To specify basic and most frequently used line item data.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</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>				
		CA Case				
		EA Each				
		GR Gross				
		PC Piece				
		PK Pack (PAK)				
PO104	212	Unit Price	C	R	1/17	
PO106	235	Product/Service ID Qualifier	C	ID	2/2	
		<u>Code</u> <u>Name</u>				
		VC Vendor's (Seller's) Catalog Number				
		VN Vendor's (Seller's) Item Number				
		VP Vendor's (Seller's) Part Number				
PO107	234	Product/Service ID	C	AN	1/48	

Syntax:

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

Comments:

1. See the Data Element Directory for a complete list of IDS.
2. PO101 is the item identification.
3. PO106 through PO125 provide for ten different product/service IDS per each item. For example: Case, Color, Drawing No., U.P.C. No., ISBN No., Model No., or SKU.



PID Product/Item Description

POS: 050	Max: 1
Heading - Optional	
Loop: PID	Elements: 2

To describe a product or process in coded or free-form format.

Element Summary:

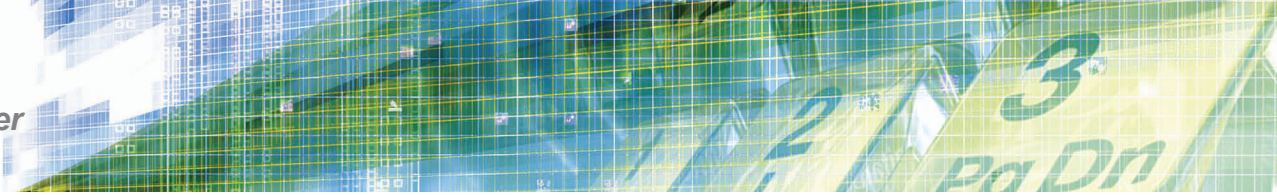
<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
PID01	349	Item Description Type <u>Code</u> <u>Name</u> F Free-form	M	ID	1/1	
PID05	352	Description	C	AN	1/80	

Syntax:

1. C0403 - If PID04 is present, than PID03 is required.
2. R0405 - At least one of PID04 or PID05 is required.

Comments:

1. If PID01 equals "F", then PID05 is used. If PID01 equals "S", then PID04 is used. If PID01 equals "X", then both PID04 and PID05 are used.



SCH Line Item Schedule

POS: 295 Max: 1
 Heading - Optional
 Loop: SCH Elements: 8

To specify the data for scheduling a specific line-item.

Element Summary:

<u>Ref</u>	<u>ID</u>	<u>Segment Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Notes</u>
SCH01	380	Quantity	M	R	1/15	
SCH02	355	Unit of Basis of measurement Code	M	ID	2/2	
		<u>Code</u> <u>Name</u>				
		CA Case				
		EA Each				
		GR Gross				
		PC Piece				
		PK Pack (PAK)				
SCH03	98	Entity Identifier Code	O	ID	2/3	
SCH04	93	Name	C	AN	1/60	
SCH05	374	Date/Time Qualifier	M	ID	3/3	
		<u>Code</u> <u>Name</u>				
		010 Requested Ship				
SCH06	373	Date	M	DT	8/8	
SCH08	374	Date/Time Qualifier	C	ID	3/3	
		<u>Code</u> <u>Name</u>				
		010 Requested Ship				
SCH09	373	Date	C	DT	8/8	

Syntax:

1. C0304 - If SCH03 is present, than SCH04 is required.
2. L080910 - If SCH08 is present, than at least on of SCH09 or SCH10 is required.
3. C0908 - If SCh09 is present, than SCH08 is required.

Comments:

1. SCH05 specifies the interpretation to be used for SCH06 and SCH07.



CTT Transaction Totals

POS: 010	Max: 1
Heading - Optional	
Loop: CTT	Elements: 1

To transmit a has total for a specific element in the transaction set.

Element Summary:

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

Comments:

1. This segment is intended to provide has totals to validate transaction completeness and correctness.



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

Comments:

1. SE is the last segment of each transaction set.



Sample 850 :

Below is a complete example of an 850 transmission:

```
ISA^00^      ^00^      ^ZZ^7777777777  ^14^004321519IBMP
^071004^0739^U^00401^400403369^0^P^|
GS^PO^7777777777^004321519^20071004^0739^1^X^004010
ST^850^0001
BEG^00^NE^310007^^20071003
PER^BD^JOE SMITH
N1^BT^^92^999999001
N1^ST^SPECIAL LABS^91^999999001
N3^1000 PENNSYLVANIA AVE
N4^PITTSBURGH^PA^15222
PO1^1^1^CA^290.89^^VC^1230321
CTT^1
SE^10^0001
GE^1^1
IEA^1^400403369
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