

LOWE'S EDI

850 Purchase Order

VERSION: 004010 FINAL

Publication Date: September 16, 1998

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.

Please Note:

All usages under the label "Req" denote X12 usages. All usages under the label "Usage" denote Lowe's usages.

One 850 transaction will be required for each purchase order.

Purchase order changes will be phoned or faxed to the partner. If the EDI partner needs to make changes to the purchase order, those changes should be phoned or faxed to the Lowe's Inventory Specialist responsible for the product affected.

Only stock purchase orders will be transmitted through EDI, as there are no SKU numbers assigned for special/custom orders.

Lowe's may send the same purchase order number (BEG 03) for different locations (N1 04) (one order per ST/SE envelope). If you are tracking our purchase order numbers, please utilize both the store location and the purchase order number to perform duplication edits.

We have three testing phases at Lowe's:

TEST - Our initial test purchase order will be an order that you have already received from Lowe's by phone or fax. This will enable you to compare the EDI purchase order to one that is already in your system. We ask for two items in return. One is a functional acknowledgment (997). The other is a fax of how you translated the test order - not a copy of the raw data.

PARALLEL - In this phase, we will send legitimate orders through EDI, as well as confirming phone or fax orders. This allows you to verify that all cross-reference tables are correct. Also any new programs written to support EDI can be tested. PLEASE CONSIDER THE EDI ORDER AS THE TEST ORDER AND CONTINUE TO HONOR THE PHONE OR FAX ORDER AS YOU NORMALLY WOULD. THIS WILL PREVENT DUPLICATION AS WELL AS INCORRECT SHIPMENTS. THE FAX WILL BE LABELED AS A CONFIRMATION. Lowe's will verify your functional acknowledgments are returned on a timely basis and with no rejects.

PRODUCTION - When you are confident your EDI is performing properly, please notify the Lowe's EDI Coordinator. At that time, we will change the T to a P in the ISA 15 and will cease the phone or fax orders. Please do not reset control numbers at that time!

Heading:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
001	ISA	Interchange Control Header	M	1			Mandatory
002	GS	Functional Group Header	M	1			Mandatory
010	ST	Transaction Set Header	M	1			Mandatory
020	BEG	Beginning Segment for Purchase Order	M	1			Mandatory
060	PER	Administrative Communications Contact	O	3			Mandatory
080	FOB	F.O.B. Related Instructions	O	>1			Mandatory
LOOP ID - SAC					25		
120	SAC	Service, Promotion, Allowance, or Charge Information	O	1			Conditional
150	DTM	Date/Time Reference	O	10			Conditional
LOOP ID - N1					200		
310	N1	Name	O	1			Mandatory
330	N3	Address Information	O	2			Mandatory
340	N4	Geographic Location	O	>1			Mandatory

Detail:

<u>Pos</u>	<u>Id</u>	<u>Segment Name</u>	<u>Req</u>	<u>Max Use</u>	<u>Repeat</u>	<u>Notes</u>	<u>Usage</u>
LOOP ID - PO1					100000		
010	PO1	Baseline Item Data	M	1		N2/010	Mandatory
LOOP ID - PID					1000		
050	PID	Product/Item Description	O	1			Conditional

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>Usage</u>
LOOP ID - CTT					1		
010	CTT	Transaction Totals	O	1		N3/010	Mandatory
030	SE	Transaction Set Trailer	M	1			Mandatory
031	GE	Functional Group Trailer	M	1			Mandatory
032	IEA	Interchange Control Trailer	M	1			Mandatory

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

Example:

ISA*00* *00* *01*006097142 *01*receiver's id *980826*1700*U*00400*000000001*0*P*>\

Element Summary:

Ref	Id	Element Name	Req	Type	Min/Max	Usage
ISA01	I01	Authorization Information Qualifier <u>Code NAME</u>	M	ID	2/2	Mandatory
	00	No Authorization Information Present (No Meaningful Information in I02)				
ISA02	I02	Authorization Information Please Note: This element will be filled with spaces.	M	AN	10/10	Mandatory
ISA03	I03	Security Information Qualifier <u>Code NAME</u>	M	ID	2/2	Mandatory
	00	No Security Information Present (No Meaningful Information in I04)				
ISA04	I04	Security Information Please Note: This element will be filled with spaces.	M	AN	10/10	Mandatory
ISA05	I05	Interchange ID Qualifier <u>Code NAME</u>	M	ID	2/2	Mandatory
	01	Duns (Dun & Bradstreet)				
ISA06	I06	Interchange Sender ID	M	AN	15/15	Mandatory
ISA07	I05	Interchange ID Qualifier All valid X12 codes are used.	M	ID	2/2	Mandatory
ISA08	I07	Interchange Receiver ID Please Note: The receiver id for Lowe's for both test and production data is 006097142.	M	AN	15/15	Mandatory
ISA09	I08	Interchange Date	M	DT	6/6	Mandatory
ISA10	I09	Interchange Time	M	TM	4/4	Mandatory
ISA11	I10	Interchange Control Standards Identifier All valid X12 codes are used.	M	ID	1/1	Mandatory
ISA12	I11	Interchange Control Version Number	M	ID	5/5	Mandatory

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<u>Code NAME</u> 00400 Standard Issued as ANSI X12.5-1997				
ISA13	I12	Interchange Control Number	M	N0	9/9	Mandatory
ISA14	I13	Acknowledgment Requested <u>Code NAME</u> 0 No Acknowledgment Requested	M	ID	1/1	Mandatory
ISA15	I14	Usage Indicator <u>Code NAME</u> P Production Data T Test Data	M	ID	1/1	Mandatory
ISA16	I15	Component Element Separator	M		1/1	Mandatory

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

Example:

GS*PO*006097142*receiver's id*19980826*1646*000000001*X*004010\

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
GS01	479	- Functional Identifier Code <u>Code NAME</u> PO - Purchase Order (850)	M	ID	2/2	Mandatory
GS02	142	Application Sender's Code Please Note: The Sender Id in GS02 is Lowe's actual sender id	M	AN	2/15	Mandatory
GS03	124	Application Receiver's Code	M	AN	2/15	Mandatory
GS04	373	Date	M	DT	8/8	Mandatory
GS05	337	Time	M	TM	4/8	Mandatory
GS06	28	Group Control Number	M	N0	1/9	Mandatory
GS07	455	Responsible Agency Code <u>Code NAME</u> X - Accredited Standards Committee X12	M	ID	1/2	Mandatory
GS08	480	Version / Release / Industry Identifier Code <u>Code NAME</u> - 004010 Draft Standards Approved for Publication by ASC X12 Procedures Review Board through October 1997	M	AN	1/12	Mandatory

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

Example:

ST*850*000000001\

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
ST01	143	Transaction Set Identifier Code <u>Code NAME</u> 850 Purchase Order	M	ID	3/3	Mandatory

ST02	329	Transaction Set Control Number Please Note: The transaction set control number is used to determine if data has been lost or duplicated.	M	AN	4/9	Mandatory
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BEG Beginning Segment for Purchase Order

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

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

Example:

BEG*00*SA*12345**19980826\

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
BEG01	353	Transaction Set Purpose Code <u>Code NAME</u>	M	ID	2/2	Mandatory
	00	Original				
BEG02	92	Purchase Order Type Code <u>Code NAME</u>	M	ID	2/2	Mandatory
	NS	New Store Opening				
	SA	Stand-alone Order				
BEG03	324	Purchase Order Number	M	AN	1/22	Mandatory
BEG04	328	Release Number	O	AN	1/30	Not Used by Lowe's
BEG05	373	Date	M	DT	8/8	Mandatory
		Please Note: Lowe's original purchase order date				

PER Administrative Communications Contact

Pos: 060 Max: 3
Heading - Optional
Loop: N/AElements: 4

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

Example:

PER*BD*buyer name\
 PER*DC**TE*PH# (999) 999-9999\
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Please Note:

The name of the buyer will be communicated in the first PER segment. The second PER segment contains the phone number for the store or distribution center to which the order is being delivered.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PER01	366	<u>Contact Function Code</u> <u>Code NAME</u>	M	ID	2/2	Mandatory
		BD Buyer Name or Department DC Delivery Contact				
PER02	93	Name	O	AN	1/60	Optional
PER03	365	<u>Communication Number Qualifier</u> <u>Code NAME</u>	C	ID	2/2	Optional
		TE Telephone				
PER04	364	Communication Number	C	AN	1/80	Optional
		Please Note: The format of the phone number will be "PH# (999) 999-9999".				

FOB F.O.B. Related Instructions

Pos: 080	Max: >1
Heading - Optional	
Loop: N/A	Elements: 3

To specify transportation instructions relating to shipment

Example:

FOB*PP\

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
FOB01	146	- Shipment Method of Payment <u>Code NAME</u>	M	ID	2/2	Mandatory
		CC - Collect CF - Collect, Freight Credited Back to Customer PC - Prepaid but Charged to Customer PP - Prepaid (by Seller)				
FOB02	309	Location Qualifier Please Note: This element will be sent for import purchase orders only. <u>Code NAME</u>	C	ID	1/2	Optional
		CA - Country of Origin				
FOB03	352	Description Please Note: This element will be sent for import purchase orders only.	O	AN	1/80	Optional

SAC Service, Promotion, Allowance, or Charge Information

Pos: 120	Max: 1
Heading - Optional	
Loop: SACElements: 2	

To request or identify a service, promotion, allowance, or charge; to specify the amount or percentage for the service, promotion, allowance, or charge

Example:

SAC*R*E740\

Please Note:

This segment will be sent only for new store locations. It will appear for any order placed up to 6 days after the store opening date.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
SAC01	248	- Allowance or Charge Indicator <u>Code NAME</u>	M	ID	1/1	Optional
		R - Allowance Request				
SAC02	1300	Service, Promotion, Allowance, or Charge Code <u>Code NAME</u>	C	ID	4/4	Optional
		E740 - New Store Allowance				

DTM Date/Time Reference

Pos: 150	Max: 10
Heading - Optional	
Loop: N/A	Elements: 2

To specify pertinent dates and times

Example:

DTM*002*19980826\
 DTM*010*19980825\

Please Note:

The "Delivery Requested" will always be the first date communicated in the DTM segment. The second occurrence of the DTM segment will be the "Requested Ship", if the information is present.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
DTM01	374	- Date/Time Qualifier Please Note: "Delivery Requested" will be sent for all purchase orders. "Requested Ship" will not always be sent. It will be sent for all collect shipments. <u>Code NAME</u> 002 - Delivery Requested 010 Requested Ship	M	ID	3/3	Mandatory
DTM02	373	Date Please Note: This will always be an eight-digit date (CCYYMMDD).	C	DT	8/8	Mandatory

N1 Name

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

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

Example:

N1*ST*store name*93*0960\
 N1*MA*store name*93*0465\
 N1*MA*store name*93*0465\

Please Note:

The first occurrence of the N1 segment will contain the "Ship To" information. If there is a second occurrence of the N1 segment, then the information will pertain to the store order (cross-dock order) that is being routed through the distribution center.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N101	98	- Entity Identifier Code Please Note: The ST code will always be sent referencing either a distribution center or store. The MA code is sent for cross-dock purchase orders only. The MA code will reference the actual store that will receive the cross-dock purchase order. For a cross-dock order, the ST will represent the distribution center. The invoice sent back to Lowe's should be for the actual store the cross-dock order was intended for. <u>Code NAME</u> MA - Party for whom Item is Ultimately Intended ST Ship To	M	ID	2/3	Mandatory
N102	93	Name Please Note: This element will contain the name of the store or distribution center.	C	AN	1/60	Mandatory
N103	66	Identification Code Qualifier <u>Code NAME</u> 93 - Code assigned by the organization originating the transaction set	C	ID	1/2	Mandatory
N104	67	Identification Code Please Note: This element will contain the location number for either the store number or distribution center number.	C	AN	2/80	Mandatory

N3 Address Information

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

To specify the location of the named party

Example:

N3*street address\

Please Note:

Address information will be sent with every Lowe's purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N301	166	Address Information	M	AN	1/55	Mandatory
N302	166	Address Information	O	AN	1/55	Optional

N4 Geographic Location

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

To specify the geographic place of the named party

Example:

N4*city*state*zip\

Please Note:

Address information will be sent for every Lowe's purchase order.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
N401	19	City Name	O	AN	2/30	Mandatory
N402	156	State or Province Code	O	ID	2/2	Mandatory
N403	116	Postal Code	O	ID	3/15	Mandatory

PO1 Baseline Item Data

Pos: 010	Max: 1
Detail - Mandatory	
Loop: PO1	Elements: 9

To specify basic and most frequently used line item data

Example:

PO1*1*25*EA*2.5**CB*12345\

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PO101	350	Assigned Identification	O	AN	1/20	Mandatory
PO102	330	Quantity Ordered	C	R	1/15	Mandatory
PO103	355	Unit or Basis for Measurement Code	O	ID	2/2	Mandatory
		<u>Code</u> <u>NAME</u>				
		BD Bundle				
		BF Board Feet				
		BG Bag				
		BX Box				
		CA Case				
		DS Display				
		EA Each				
		FT Foot				
		LF Linear Foot				
		PC Piece				
		PR Pair				
		RL Roll				
		UN Unit				
PO104	212	Unit Price	C	R	1/17	Mandatory
		Please Note: Lowe's may send a price with up to 4 digits to the right of a decimal.				
PO105	639	Basis of Unit Price Code	O	ID	2/2	Optional
		Please Note: The NC qualifier will be sent for product that is free of charge. The QT qualifier will be sent for product where the "quoted price" is expressed in a different unit of measurement than the quantity ordered. For example, when ordering some types of lumber, the quantity will be expressed in "Eaches", but the price quoted will be per "Thousand board feet". The element will be left empty if neither the "QT" or "NC" apply.				
		<u>Code</u> <u>NAME</u>				
		NC No Charge				
		QT Quoted				
PO106	235	Product/Service ID Qualifier	C	ID	2/2	Mandatory
		Please Note: Typically, the CB qualifier is sent, unless the seller requests the IN				

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
		<p>qualifier. Both qualifiers refer to Lowe's item number.</p> <p><u>Code</u> <u>NAME</u></p> <p>CB Buyer's Catalog Number IN Buyer's Item Number</p>				
PO107	234	Product/Service ID	C	AN	1/48	Mandatory
PO108	235	Product/Service ID Qualifier	C	ID	2/2	Optional
		<p>Please Note: PO1-08 and PO1-09 will be sent only for those partners requiring the information to translate Lowe's item number.</p> <p><u>Code</u> <u>NAME</u></p> <p>VC Vendor's (Seller's) Catalog Number</p>				
PO109	234	Product/Service ID	C	AN	1/48	Optional

PID Product/Item Description

Pos: 050	Max: 1
Detail - Optional	
Loop: PID	Elements: 5

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

Example:

PID*F****1 QT PERENNIALS\

Please Note:

The PID segment will only be sent for those requiring the information to translate Lowe's item number.

Element Summary:

<u>Ref</u>	<u>Id</u>	<u>Element Name</u>	<u>Req</u>	<u>Type</u>	<u>Min/Max</u>	<u>Usage</u>
PID01	349	Item Description Type Code NAME F Free-form	M	ID	1/1	Optional
PID02	750	Product/Process Characteristic Code	O	ID	2/3	Not Used by Lowe's
PID03	559	Agency Qualifier Code	C	ID	2/2	Not Used by Lowe's
PID04	751	Product Description Code	C	AN	1/12	Not Used by Lowe's
PID05	352	Description	C	AN	1/80	Optional

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

Example:

CTT*1\

Element Summary:

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

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)

Example:

SE*15*000000001\

Element Summary:

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

Please Note:

The control number must match the control number in ST02

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

Example:

GE*1*000000001\

Element Summary:

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

Please Note:

The control number must match the control number in the GS08

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

Example:

IEA*1*000000001\

Element Summary:

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

Please Note:

The control number must match the control number in ISA13